- R-HEMBA1006446//Homo sapiens mRNA for cadherin-6, complete cds//1.6e-05:487:58//Hs.32963:D31784 R-HEMBA1006461//ESTs//5.1e-78:393:97//Hs.142677;R95895
- R-HEMBA1006467//ESTs, Weakly similar to putative p150 [H.sapiens]//3.0e-17:342:63//Hs.111730:AA604403 R-HEMBA1006471//ESTs//3.8e-66:370:92//Hs.14063:T77441
- 5 R-HEMBA1006474
  - R-HEMBA1006483//Human G protein-coupled receptor (STRL22) mRNA, complete cds//4.2e-40:365:78//Hs. 46468:U45984
  - R-HEMBA1006485//H.sapiens mRNA for aminopeptidase//2.5e-92:517:91//Hs.132243:Y07701
  - R-HEMBA1006486//EST//7.0e-47:240:76//Hs.161917:AA483223
- 10 R-HEMBA1006489//ESTs//2.1e-93:440:99//Hs.125264;AA873350
  - R-HEMBA1006492//ESTs//0.00034:52:90//Hs.163219;AA810720
  - R-HEMBA1006494//EST//1.8e-06:192:67//Hs.141401:H93387
  - R-HEMBA1006497//ESTs//6.2e-45:232:97//Hs.118015:N33117
  - R-HEMBA1006502//Complement component 5 receptor 1 (C5a ligand)//8.7e-16:135:72//Hs.2161:M62505
- R-HEMBA1006507//Homo sapiens mRNA for KIAA0666 protein, partial cds//3.9e-117:570:96//Hs.153858: AB014566
  - R-HEMBA1006521//ESTs//9.9e-99:496:96//Hs.64906:AA677300
  - R-HEMBA1006530//ESTs//0.18:260:60//Hs.24970:AI057628
  - R-HEMBA1006535//GS1 PROTEIN//0.52:267:62//Hs.78991:M86934
- <sup>20</sup> R-HEMBA1006540//EST//0.016:143:66//Hs.148189:AA897331
  - R-HEMBA1006546//Homo sapiens mRNA for KIAA0582 protein, partial cds//2.2e-48:287:91//Hs.79507:AB011154 R-HEMBA10065597/ESTs, Moderately similar to neurodegeneration-associated protein 1 [R.norvegicus]//1.8e-109:547:96//Hs.21122:AA191594
  - R-HEMBA1006562//EST//1.1e-13:327:63//Hs.149641;Al283064
- <sup>25</sup> R-HEMBA1006566//ESTs//2.6e-59:311:97//Hs.146014:R51876
  - R-HEMBA1006569//ESTs//4.7e-89:458:96//Hs.42861:W74725
  - R-HEMBA1006579//ESTs//2.9e-19:110:99//Hs.126191:AA873876
  - R-HEMBA1006583//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//9.5e-29:276:76//Hs.144563: AF057280
- 30 R-HEMBA1006595//ESTs//1.3e-96:487:96//Hs.43228:N67390
  - R-HEMBA1006597//Small inducible cytokine A5 (RANTES)//9.8e-44:291:85//Hs.155464:AF088219 R-HEMBA1006612
  - R-nnnnnnnnnn//ESTs//1.2e-25;225;80//Hs.138852;AA284247
  - R-HEMBA1006624//ESTs//1.9e-93:454:98//Hs.72531:AA773630
- 35 R-HEMBA1006631//Human mRNA for KIAA0033 gene, partial cds//7.5e-60:286:90//Hs.22271:D26067 R-HEMBA1006635//ESTs, Moderately similar to !!!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]//2.7e-91:426:100//Hs.139469:Al299889
  - R-HEMBA1006639//ESTs, Highly similar to POLYADENYLATE-BINDING PROTEIN [Homo sapiens]//3.4e-37:186: 100//Hs.109818:AA411185
- 40 R-HEMBA1006643//ESTs//1.8e-35:189:97//Hs.139640:AA846777
  - R-HEMBA1006648//Homo sapiens integrin-linked kinase (ILK) mRNA, complete cds//8.1e-108:567:94//Hs.6196: U40282
  - R-HEMBA1006652//ESTs//7.6e-100:536:93//Hs.142613:AA129427
  - R-HEMBA1006653//ESTs//2.0e-33:181:87//Hs.153599:AI282511
- 45 R-HEMBA1006665//EST//1.2e-13:141:72//Hs.145596:AI263102
  - R-HEMBA1006674//ESTs//3.1e-32:212:83//Hs.95115:AA206594
  - R-HEMBA1006676//ESTs//2.6e-95:510:93//Hs.39140:AI041842
  - R-HEMBA1006682//EST//1.4e-05:277:62//Hs.145762:Al269435
  - R-HEMBA1006695//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//1.9e-32:
- 50 261:79//Hs.77579:AF013263
  - R-HEMBA1006696//ESTs//4.5e-95:448:99//Hs.155694:AI032695
  - R-HEMBA1006708//ESTs, Weakly similar to Miller-Dieker lissencephaly gene [H.sapiens]//1.1e-92:483:94//Hs. 6525:Al205313
  - R-HEMBA1006709//ESTs//3.4e-25:207:80//Hs.88617:AA872062
- 55 R-HEMBA1006717
  - R-HEMBA1006737//EST//5.9e-30:317:75//Hs.140568:AA826002
  - R-HEMBA1006744//Interleukin 10//3.7e-41:419:74//Hs.2180:M57627
  - R-HEMBA1006754//ESTs//1.2e-46:276:83//Hs.141254:Al334099

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R-HEMBA1006758//ESTs//0.00043:48:100//Hs.157265:AA489646
         R-HEMBA1006767//EST//0.094:120:65//Hs.159873:R92763
         R-HEMBA1006779//EST//9.3e-45:298:85//Hs.149580:AI281881
         R-HEMBA1006780//ESTs//1.6e-46:423:77//Hs.141602:N63562
 5
         R-HEMBA1006789//ESTs//7.6e-55:245:95//Hs.6459;AI092936
         R-HEMBA1006795//ESTs//8.6e-47:315:78//Hs.140491:W52705
         R-HEMBA1006796//ESTs//0.26:175:65//Hs.103280:AI334978
         R-HEMBA1006807//Homo sapiens DEC-205 mRNA, complete cds//5.7e-47:461:75//Hs.153563:AF011333
         R-HEMBA1006821//ESTs//3.5e-12:222:68//Hs.150439:AI016305
10
         R-HEMBA1006824//Homo sapiens mRNA, clone:RES4-16//6.7e-51:298:90//Hs.121493:D25272
         R-HEMBA1006832//ESTs//0.0050:108:70//Hs.12853:T65556
         R-HEMBA1006849//Human mRNA for KIAA0118 gene, partial cds//2.1e-49:367:83//Hs.154326:D42087
         R-HEMBA1006865//ESTs//0.85:112:63//Hs.116430:AA644665
         R-nnnnnnnnnn/Homo sapiens mRNA for KIAA0772 protein, complete cds//1.8e-67:611:74//Hs.15519:
15
         AB018315
         R-HEMBA1006885//ESTs//2.4e-66:347:96//Hs.100624:N95453
         R-HEMBA1006900//ESTs//2.7e-91:466:96//Hs.32984:R89739
         R-HEMBA1006921//ESTs//2.2e-33:170:100//Hs.152277:AA593117
         R-HEMBA1006926//ESTs, Weakly similar to ZK1053.6 [C.elegans]//2.9e-28:213:84//Hs.9096:AA029400
20
         R-HEMBA1006929//ESTs//4.0e-13:210:66//Hs.100895:AA479308
         R-HEMBA1006936//ESTs//3.9e-05:60:93//Hs.8737:W22712
         R-HEMBA1006938//EST//0.0021:244:62//Hs.144237:W52382
         R-HEMBA1006941//Homo sapiens mRNA for putative thioredoxin-like protein//6.5e-77:371:98//Hs.42644:
         AJ010841
25
         R-HEMBA1006949//ESTs//1.2e-67:335:98//Hs.25780:R51321
         R-HEMBA1006973//ESTs//0.029:242:61//Hs.146074:N34457
         R-HEMBA1006976//EST//0.70:206:61//Hs.147092:AI189827
         R-HEMBA1006993//Human mRNA for KIAA0327 protein, complete cds//2.6e-47:368:80//Hs.149323:AB002325
         R-HEMBA1006996//ESTs//0.027:326:58//Hs.105008:AA451679
30
        R-HEMBA1007002//ESTs//0.13:116:66//Hs.26928:Z41440
        R-HEMBA1007017//ESTs//4.3e-47:208:87//Hs.155243:N70293
        R-HEMBA1007018//ESTs, Moderately similar to LIC-2 [R.norvegicus]//2.8e-112:558:96//Hs.107905:AI248363
        R-HFMBA1007045
        R-HEMBA1007051//ESTs//2.5e-39:321:80//Hs.146811:AA410788
35
        R-HEMBA1007052//EST//3.4e-41:377:74//Hs.44634:N34839
        R-HEMBA1007062//ESTs//1.2e-92:439:99//Hs.162882:AA807140
        R-HEMBA1007066//ESTs//0.85:204:61//Hs.22795:AI208272
        R-HEMBA1007073//ESTs//6.6e-52:362:85//Hs.30821:AI096866
        R-HEMBA1007078//EST, Moderately similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//7.2e-
40
        40:163:83//Hs.152369:AA504818
        R-HEMBA1007085//ESTs//8.1e-103:519:96//Hs.90638:AI348087
        R-HEMBA1007087//ESTs//3.1e-51:354:86//Hs.6449:W95025
        R-HEMBA1007112//EST//0.090:328:59//Hs.136623:AA633597
        R-HEMBA1007113//Homo sapiens mRNA, clone:RES4-16//1.1e-47:427:76//Hs.121493:D25272
45
        R-HEMBA1007129//ESTs//6.1e-13:314:65//Hs.137538:AA769438
        R-HEMBA1007147
        R-HEMBA1007149//ESTs//9.7e-103:540:94//Hs.127240:AA149818
        R-HEMBA1007151//ESTs//8.2e-102:505:96//Hs.24948:AA977674
        R-nnnnnnnnnn//Homo sapiens epsin 2b mRNA, complete cds//1.6e-104:529:94//Hs.22396:AF062085
50
        R-HEMBA1007178//ESTs//2.2e-57:366:90//Hs.21648:Al302954
        R-HEMBA1007194//ESTs//9.0e-68:336:98//Hs.49760:AA741051
        R-HEMBA1007203//Homo sapiens mRNA for KIAA0214 protein, complete cds//1.7e-62:332:95//Hs.3363:D86987
        R-HEMBA1007206//Human c-yes-1 mRNA//4.5e-49:390:80//Hs.75680:M15990
        R-HEMBA1007224//Homo sapiens mRNA for KIAA0797 protein, partial cds//7.4e-98:471:97//Hs.27197:
55
        AB018340
        R-HEMBA1007251//ESTs//1.6e-78:377:99//Hs.98912:AA436864
        R-HEMBA1007256//ESTs//3.5e-20:127:79//Hs.137352:AA024934
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R-HEMBA1007267//Homo sapiens KIAA0395 mRNA, partial cds//8.8e-48:343:83//Hs.43681:AL022394

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R-HEMBA1007273//ESTs//1.0e-98:472:98//Hs.122610:AA807062
        R-HEMBA1007279//ESTs//3.3e-107:558:94//Hs.126480:Al221207
        R-HEMBA1007281//EST//0.074:244:63//Hs.29304:R73543
        R-HEMBA1007288//EST//9.4e-43:344:81//Hs.162112:AA524804
5
        R-HEMBA1007300//ESTs//0.096:371:57//Hs.102680:N52990
        R-HEMBA1007301
        R-HEMBA1007319//ESTs//7.7e-113:570:96//Hs.29263:Al337917
        R-HEMBA1007320//ESTs, Moderately similar to hypothetical protein 2 [H.sapiens]//5.5e-15:311:64//Hs.142764:
10
        R-HEMBA1007322//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//5.7e-49:383:83//Hs.139107:
        K00629
        R-HEMBA1007327//Human melanoma antigen recognized by T-cells (MART-1) mRNA//1.9e-42:371:79//Hs.
         154069:U06452
        R-HEMBA1007341//EST//3.0e-17:291:68//Hs.150788:Al301848
15
        R-HEMBA1007342//EST//2.7e-11:263:67//Hs.145259:AI218684
        R-HEMBA1007347//Homo sapiens DEC-205 mRNA, complete cds//9.7e-47:368:82//Hs.153563:AF011333
        R-HEMBB1000005//ESTs, Weakly similar to putative p150 [H.sapiens]//3.3e-44:341:71//Hs.111730:AA604403
        R-HEMBB1000008//Homo sapiens tumor necrosis factor superfamily member LIGHT mRNA, complete cds//3.2e-
        40:292:83//Hs.129708:AF064090
20
        R-HEMBB1000018//H.sapiens mRNA for urea transporter//5.0e-49:311:87//Hs.66710:X96969
        R-HEMBB1000024//ESTs//7.5e-21:234:76//Hs.157049:Al345418
        R-HEMBB1000025//ESTs//2.2e-36:371:78//Hs.56562:AA056332
        R-HEMBB1000030//ESTs//3.2e-76:373:97//Hs.140190;AA701449
        R-HEMBB1000036//ESTs, Highly similar to HYPOTHETICAL 43.2 KD PROTEIN C34E10.1 IN CHROMOSOME
25
        III [Caenorhabditis elegans]//6.0e-92:477:95//Hs.4877:AA418465
        R-HEMBB1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds//2.5e-92:467:97//
        Hs.20815:AF084928
        R-HEMBB1000039//ESTs//1.8e-43:361:71//Hs.108206:N64702
        R-HEMBB1000044//EST//7.6e-70:367:95//Hs.140860:R42954
30
        R-HEMBB1000048//EST//1.5e-45:262:91//Hs.157627;AI357802
        R-HEMBB1000050//ESTs//0.039:91:74//Hs.163189:AA236903
        R-HEMBB1000054//ESTs//3.0e-104:550:94//Hs.152395:AA533107
        R-HEMBB1000055//ESTs, Moderately similar to UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX SUB-
        UNIT VI REQUIRING PROTEIN [H.sapiens]//1.1e-72:350:99//Hs.116490:AA659584
35
        R-HEMBB1000059//ESTs//1.7e-10:200:70//Hs.163954:N57939
        R-HEMBB1000083//Homo sapiens mRNA for GCP170, complete cds//6.0e-41:337:80//Hs.4953:D63997
        R-HEMBB1000089//Human mRNA for KIAA0355 gene, complete cds//3.5e-39:487:70//Hs.153014:AB002353
        R-HEMBB1000099//ESTs//5.7e-37:353:75//Hs.22910:W18193
        R-HEMBB1000103//Homo sapiens mRNA for KIAA0640 protein, partial cds//6.5e-18:298:69//Hs.153026:
40
        AB014540
        R-HEMBB1000113//EST//8.2e-94:437:100//Hs.136893:AA805239
        R-HEMBB1000119//Homo sapiens ASMTL gene//1.2e-84:428:95//Hs.6315:Y15521
        R-HEMBB1000136//ESTs//0.043:262:59//Hs.61304:AA025692
        R-HEMBB1000141//ESTs//5.0e-38:254:79//Hs.141658:N77915
45
        R-HEMBB1000144//ESTs//9.6e-05:235:60//Hs.61700:AA033951
        R-HEMBB1000173//EST//9.6e-44:258:76//Hs.161917:AA483223
        R-HEMBB1000175//ESTs//4.8e-98:475:97//Hs.149740:AI199558
        R-HEMBB1000198//ESTs//1.0:123:62//Hs.116602:AA665965
        R-HEMBB1000215//Human mRNA for KIAA0355 gene, complete cds//2.2e-46:302:86//Hs.153014:AB002353
50
        R-HEMBB1000217//ESTs//2.2e-105:496:99//Hs.65973:Al339364
        R-HEMBB1000218//Homo sapiens DNA fragmentation factor 40 kDa subunit (DFF40) mRNA, complete cds//1.1e-
        48:292:79//Hs.133089:AF064019
        R-HEMBB10002267/ESTs, Weakly similar to HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME
        II [C.elegans]//5.1e-73:449:89//Hs.16803:AA843214
55
        R-HEMBB1000240//ESTs//1.1e-109:536:97//Hs.13528:AA523106
        R-HEMBB1000244//Small inducible cytokine A5 (RANTES)//9.5e-42:323:83//Hs.155464:AF088219
        R-HEMBB1000250//EST//8.8e-12:284:64//Hs.145960:AI276783
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R-HEMBB1000258//EST//4.5e-14:315:66//Hs.162551:AA584782

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R-HEMBB1000264
         R-HEMBB1000266//ESTs, Weakly similar to similar to the beta transducin family [C.elegans]//2.7e-102:556:93//
         Hs.16079:AA083522
         R-HEMBB1000272//ESTs//4.3e-91:480:94//Hs.107467:H11385
5
         R-HEMBB1000274//Homo sapiens mRNA for KIAA0557 protein, partial cds//7.9e-24:198:72//Hs.101414:
         AB011129
         R-HEMBB1000284//ESTs//4.8e-64:389:91//Hs.118043:N50458
         R-HEMBB1000307//Human mRNA for KIAA0355 gene, complete cds//3.6e-43:288:87//Hs.153014:AB002353
         R-HEMBB1000312//ESTs//6.0e-23:272:73//Hs.121354:AA758601
         R-HEMBB1000317//ESTs//7.5e-90:424:99//Hs.150042:AI298034
10
         R-HEMBB1000318//Small inducible cytokine A5 (RANTES)//3.3e-41:318:80//Hs.155464:AF088219
         R-HEMBB1000335//ESTs//3.7e-15:324:65//Hs.85077:AA968576
         R-HEMBB1000336//ESTs//6.4e-76:402:95//Hs.17207:H92480
         R-HEMBB-1000337//ESTs//2.1e-80:391:97//Hs.118990:Al378084
15
         R-HEMBB1000338//Small inducible cytokine A5 (RANTES)//4.0e-39:274:85//Hs.155464:AF088219
         R-HEMBB1000339//EST//5.8e-41:336:79//Hs.151873:AA205736
         R-HEMBB1000341//ESTs//3.8e-19:310:68//Hs.37573:H59651
         R-HEMBB1000343//EST//1.1e-77:396:95//Hs.162664:AA605020
         R-HEMBB1000354//Human mRNA for KIAA0186 gene, complete cds//1.7e-15:293:65//Hs.36232:D80008
20
         R-HEMBB1000369//ESTs//1.6e-21:234:73//Hs.111583:AA463590
         R-HEMBB1000374//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//2.3e-56:335:77//Hs.
         92381:AB007956
         R-HEMBB1000376//H.sapiens mRNA for urea transporter//2.7e-50:525:74//Hs.66710:X96969
         R-HEMBB1000391//ESTs//6.6e-50:316:88//Hs.142259:AA828840
25
         R-HEMBB1000399//Homo sapiens mRNA for cell cycle checkpoint protein//3.8e-109:531:97//Hs.16184:AJ001642
         R-HEMBB1000402//H.sapiens mRNA for MACH-alpha-2 protein//2.7e-35:369:72//Hs.19949:X98173
         R-HEMBB1000404//ESTs//0.088:298:59//Hs.61607:AA032026
         R-HEMBB1000420//EST//2.2e-78:376:98//Hs.160787:AI336591
         R-HEMBB1000434//Human mRNA for KIAA0118 gene, partial cds//3.9e-50:302:89//Hs.154326:D42087
30
         R-HEMBB1000438//ESTs, Weakly similar to !!!! ALU CLASS B WARNING ENTRY !!!! [H.sapiens]//0.30:214:63//
         Hs.142209:AA873303
         R-HEMBB1000441//Human c-yes-1 mRNA//2.2e-46:280:90//Hs.75680:M15990
         R-HEMBB1000449//ESTs//7.8e-59:332:92//Hs.87013:AA130221
         R-HEMBB1000455//EST//4.8e-14:421:65//Hs.68832:AA088438
35
         R-HEMBB1000472//ESTs//1.1e-104:505:98//Hs.132824:AI033396
         R-HEMBB1000480//Human mRNA for KIAA0392 gene, partial cds//2.5e-49:295:90//Hs.40100:AB002390
         R-HEMBB1000487//EST//0.78:87:68//Hs.134601:Al081506
         R-HEMBB1000490//Small inducible cytokine A5 (RANTES)//4.0e-39:320:80//Hs.155464:AF088219
         R-HEMBB1000491//Homo sapiens PYRIN (MEFV) mRNA, complete cds//3.7e-50:312:76//Hs.113283:AF018080
40
         R-HEMBB1000493//ESTs//7.1e-18:150:82//Hs.142068:AA176125
         R-HEMBB1000510//EST//1.4e-45:139:97//Hs.152260:AA489703
         R-HEMBB1000518//Human mRNA for KIAA0118 gene, partial cds//4.8e-50:415:78//Hs.154326:D42087
         R-HEMBB1000523//Homo sapiens PYRIN (MEFV) mRNA, complete cds//2.7e-57;497:78//Hs.113283:AF018080
         R-HEMBB1000530//ESTs//2.7e-73:425:90//Hs.141254:Al334099
45
         R-HEMBB1000550//EST//2.9e-11:113:79//Hs.161503:N68662
         R-HEMBB1000554//Human huntingtin interacting protein (HIP1) mRNA, complete cds//8.2e-13:92:81//Hs.97206:
         AF052288
         R-HEMBB1000556//ESTs//1.1e-94:529:92//Hs.33476:N36986
         R-HEMBB1000564//ESTs//1.3e-19:128:91//Hs.142058:N34258
50
         R-HEMBB1000573//ESTs//1.6e-86:494:90//Hs.120979:AI160709
         R-HEMBB1000575//ESTs//1.6e-45:232:74//Hs.141019:AA287618
         R-HEMBB1000586//ESTs//5.1e-42:281;83//Hs.138852;AA284247
         R-HEMBB1000589//ESTs//1.0e-10:184:71//Hs.142677:R95895
        R-HEMBB1000591//ESTs//3.2e-40:406:75//Hs.138787:H73704
55
        R-HEMBB1000592//ESTs//1.8e-97:455:99//Hs.94229:W65391
        R-HEMBB1000598//Human anti secretory factor-1 mRNA, complete cds//1.8e-46:305:85//Hs.148495:AF050199
        R-HEMBB1000623//ESTs//8.3e-47:277:92//Hs.6045:W67125
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R-HEMBB1000630//ESTs//5.1e-106:538:96//Hs.13422:AI082249

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R-HEMBB1000631//ESTs//5.1e-100:508:96//Hs.110379:N58152
         R-HEMBB1000632//ESTs//6.2e-44:371:80//Hs.132722:AA618531
         R-HEMBB1000637//Human mRNA for KIAA0080 gene, partial cds//6.4e-49:254:86//Hs.74554:D38522
         R-HEMBB1000638//EST//2.2e-38:371:76//Hs.162236:AA551582
5
         R-HEMBB1000643//ESTs//0.0049:191:62//Hs.55445:W31963
         R-HEMBB1000649//ESTs, Moderately similar to hTAFII68 [H.sapiens]//4.0e-76:399:95//Hs.124106:AA948100
         R-HEMBB1000652//ESTs//1.5e-14:271:64//Hs.163954:N57939
         R-HEMBB1000665//ESTs//4.2e-12:109:87//Hs.41407:W94988
         R-HEMBB1000671//ESTs//2.8e-68:439:87//Hs.140491:W52705
10
         R-HEMBB1000673//EST//0.58:46:82//Hs.142286:AA338293
         R-HEMBB1000684//ESTs//8.5e-20:307:72//Hs.122825:AA765454
         R-nnnnnnnnn/Homo sapiens neuroan1 mRNA, complete cds//6.5e-52:287:93//Hs.158300:AF040723
         R-HEMBB1000705//Small inducible cytokine A5 (RANTES)//4.6e-24:165:78//Hs.155464:AF088219
         R-HEMBB1000706//EST//1.2e-10:211:65//Hs.105524:AA521412
         R-HEMBB1000709//ESTs, Weakly similar to putative p150 [H.sapiens]//3.9e-50:245:99//Hs.111730:AA604403
15
         R-HEMBB1000725//Human mRNA for KIAA0308 gene, partial cds//0.11:350:59//Hs.10351:AB002306
         R-HEMBB1000726//EST//5.3e-49:303:88//Hs.149580:AI281881
         R-HEMBB100073 8//Homo sapiens mRNA, clone:RES4-16//2.5e-49:302:89//Hs.121493:D25272
         R-HEMBB1000749//ESTs//1.6e-49:331:86//Hs.152788:AA630925
20
         R-HEMBB1000763//ESTs//9.7e-104:474:95//Hs.77480:AA100522
         R-HEMBB1000770//EST//1.0e-75:359:99//Hs.136564:AA642445
        R-HEMBB1000781//ESTs//5.3e-66:317:99//Hs.28827:AI125541
        R-HEMBB1000789//ESTs//5.9e-83:394:99//Hs.120842:AA435771
        R-HEMBB1000790//PLATELET GLYCOPROTEIN V PRECURSORY//1.3e-37:193:75//Hs.73734:Z23091
25
        R-HEMBB1000794//ESTs//7.1e-98:490:96//Hs.105743:AA532718
        R-HEMBB1000807//ESTs//2.6e-22:145:92//Hs.53913:AA908961
        R-HEMBB1000810//Small inducible cytokine A5 (RANTES)//1.8e-34:206:79//Hs.155464:AF088219
        R-HEMBB1000821//ESTs//2.4e-90:425:99//Hs.118659:AI052447
        R-HEMBB1000822//ESTs//1.7e-45:288:89//Hs.24130:R27124
        R-HEMBB1000826//Small inducible cytokine A5 (RANTES)//2.9e-51:245:82//Hs.155464:AF088219
30
        R-HEMBB1000827//EST//2.8e-40:295:84//Hs.149580:AI281881
        R-HEMBB1000831//ESTs//4.0e-59:291:98//Hs.62675:AA044176
        R-HEMBB1000835//ESTs//7.3e-21:124:82//Hs.102671:N52545
        R-HEMBB1000840//ATPase, Na+/K+ transporting, beta 2 polypeptide//1.3e-43:163:84//Hs.78854:AF007876
35
        R-HEMBB1000848//Homo sapiens mRNA for KIAA0565 protein, complete cds//9.5e-41:367:78//Hs.129740:
        AB011137
        R-HEMBB1000852//EST//1.2e-09:188:70//Hs.127869:AA968599
        R-HEMBB1000870//Cytochrome P450, 51 (lanosterol 14-alpha-demethylase)//1.0e-41:483:73//Hs.2379:U23942
        R-HEMBB1000876//EST//0.0022:211:63//Hs.125552:AA884141
40
        R-HEMBB1000883//ESTs//1.4e-65:343:95//Hs.98269:H27247
        R-HEMBB1000887//ESTs//4.0e-22:212:79//Hs.138965:Al004740
        R-HEMBB1000888//EST//8.2e-07:196:64//Hs.118276:W15258
        R-HEMBB1000890//ISLET AMYLOID POLYPEPTIDE PRECURSORY//1.1e-46:327:83//Hs.51048:X68830
        R-HEMBB1000893//EST//4.7e-34:242:85//Hs.149580:AI281881
45
        R-HEMBB1000908//EST//0.95:27:100//Hs.142568:AA285066
        R-HEMBB1000910//ESTs//1.9e-36:318:78//Hs.141140:AA715983
        R-HEMBB1000913//Human mRNA for KIAA0327 protein, complete cds//2.5e-33:367:73//Hs.149323:AB002325
        R-HEMBB1000915//ESTs//0.00018:188:61//Hs.44847;AI222742
        R-HEMBB1000917//Homo sapiens KIAA0414 mRNA, partial cds//3.7e-41:228:84//Hs.127649:AB007874
50
        R-HEMBB1000927//ESTs//2.2e-62:307:98//Hs.97044:AA365784
        R-HEMBB1000947//ESTs, Weakly similar to F26E4.13 [C.elegans]//3.3e-60:350:91//Hs.49163:AA532881
        R-HEMBB1000959//Human Line-1 repeat mRNA with 2 open reading frames//8.1e-84:546:86//Hs.23094:MI9503
        R-HEMBB1000973//ESTs//6.8e-95:445:99//Hs.105859:AI419354
        R-HEMBB1000975//ESTs//1.2e-39:197:100//Hs.26176:AI032007
55
        R-HEMBB1000981//EST//7.7e-58:284:98//Hs.60179:AA007242
        R-HEMBB1000985//ESTs//1.2e-103:524:95//Hs.43102:AA131369
        R-HEMBB1000991//EST//0.99:58:72//Hs.100246:T23625
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R-HEMBB1000996//Homo sapiens LIM protein mRNA, complete cds//1.3e-41:482:70//Hs.154103:AF061258

R-HEMBB1001004//ESTs//5.7e-70:362:95//Hs.6434:W27112 R-HEMBB1001008//ESTs, Weakly similar to hypothetical L1 protein [H.sapiens]//2.3e-25:339:71//Hs.129992: R-HEMBB1001011//ESTs//4.0e-53:325:92//Hs.33268:AI191214 R-HEMBB1001014//ESTs//1.3e-46:323:83//Hs.163980;AA715814 R-HEMBB1001020//Homo sapiens PYRIN (MEFV) mRNA, complete cds//3.0e-46:305:76//Hs.113283:AF018080 R-HEMBB1001024//ESTs//8.5e-47:374:80//Hs.141602:N63562 R-HEMBB1001037//ESTs//2.6e-47:282:91//Hs.155384:Z78385 R-HEMBB1001047//EST//6.2e-33:232:74//Hs.160146:AI049975 10 R-HEMBB1001051//ESTs//3.7e-79:385:98//Hs.95290:AA046107 R-HEMBB1001056//Homo sapiens mRNA for KIAA0618 protein, complete cds//1.1e-87:497:91//Hs.15832: AB014518 R-HEMBB1001058//Homo sapiens mRNA for KIAA0475 protein, complete cds//2.2e-26:125:81//Hs.5737: AB007944 R-HEMBB1001060//ESTs//1.9e-37:541:69//Hs.141534:N64785 15 R-HEMBB1001063//ESTs//4.7e-42:269:88//Hs.55855:AA621381 R-HEMBB1001068//Homo sapiens liprin-beta2 mRNA, partial cds//9.1e-107:512:97//Hs.12953:AF034803 R-HEMBB1001096//Human HsLIM15 mRNA for HsLiml5, complete cds//1.2e-20:233:70//Hs.37181:D64108 R-HEMBB1001102//Human mRNA for KIAA0355 gene, complete cds//9.1e-40:299:82//Hs.153014:AB002353 20 R-HEMBB1001105//Homo sapiens PYRIN (MEFV) mRNA, complete cds//4.8e-46:296:87//Hs.113283:AF018080 R-HEMBB1001114//ESTs//6.2e-44:293:86//Hs.70279:AA757426 R-HEMBB1001117//ESTs//1.1e-80:471:90//Hs.61935:T75092 R-HEMBB1001119//ESTs//4.0e-38:213:84//Hs.109140:Al289942 R-HEMBB1001126 25 R-HEMBB1001133//Human SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit mRNA, complete cds//1.6e-24: 285:73//Hs.554:M25077 R-HEMBB1001137//ESTs//4.6e-10:66:100//Hs.74924:Al332962 R-HEMBB1001142//EST//6.4e-48:315:85//Hs.149580:Al281881 R-HEMBB1001151 30 R-HEMBB1001153//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.3e-65:331:96//Hs.154179:AA579197 R-HEMBB1001169//Oxytocin receptor//1.5e-25:165:73//Hs.2820:X64878 R-nnnnnnnnnn//ESTs//3.5e-41:233:93//Hs.129218:AA991162 R-HEMBB1001177 35 R-HEMBB1001182//ESTs//1.9e-86:455:95//Hs.6937:AA524349 R-HEMBB1001199 R-HEMBB1001208//ESTs//3.3e-43:216:99//Hs.121806:N71183 R-HEMBB1001209//ESTs//6.7e-80:409:96//Hs.141185:R99549 R-HEMBB1001210//ESTs//2.2e-46:290:88//Hs.103329:D11573 40 R-HEMBB1001218//Kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4))//3.1e-44;298;87//Hs.103458;X53795 R-HEMBB1001221//ESTs//9.4e-75:353:100//Hs.151504:AA550817 R-HEMBB1001234//ESTs, Highly similar to 65 KD YES-ASSOCIATED PROTEIN [Gallus gallus]//3.8e-80:400:96// Hs.71873:AA148213 45 R-HEMBB1001242//ESTs//1.6e-63:404:87//Hs.25534:AA149560 R-HEMBB1001249//ESTs//3.8e-34:360:70//Hs.150727:Al292236 R-HEMBB1001253//EST//0.0011:84:77//Hs.124579:AA853987 R-HEMBB1001254//ESTs//4.5e-95:444:99//Hs.161059:Al431268 R-HEMBB1001267//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//1.3e-50:524:73//Hs. 50 159897:AB007970 R-HEMBB1001271//Human mRNA for KIAA0118 gene, partial cds//4.0e-45:323:84//Hs.154326:D42087 R-HEMBB1001282//EST//2.9e-78:401:96//Hs.72871:AA169412 R-HEMBB1001288//ESTs, Highly similar to HYPOTHETICAL 27.3 KD PROTEIN ZK353.7 IN CHROMOSOME III [Caenorhabditis elegans]//2.6e-104:515:97//Hs.16606:W81021 55 R-HEMBB1001289//ESTs//7.8e-45:440:75//Hs.44702:AI148840

R-HEMBB1001294//ESTs//1.9e-100:476:99//Hs.109017:AI057112

R-HEMBB1001304//ESTs//4.0e-92:431:99//Hs.113750:AI091154

R-HEMBB1001302

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R-HEMBB1001314//Interleukin 10//6.3e-41:334:79//Hs.2180:M57627
         R-HEMBB1001315//Interleukin 10//1.9e-43:285:87//Hs.2180:M57627
         R-HEMBB1001317//Human cytochrome P450-IIB (hIIB3) mRNA, complete cds//8.4e-45:357:81//Hs.110194:
         M29873
         R-HEMBB1001326//ESTs//0.85:174:62//Hs.133487:AI393754
 5
         R-HEMBB1001331//ESTs, Weakly similar to DFS70 [H.sapiens]//6.5e-61:313:96//Hs.43071:AA206222
         R-HEMBB1001335//EST//5.2e-80:381:99//Hs.116769:AA630365
         R-HEMBB1001337//ESTs//2.7e-84:404:99//Hs.148966:AI242639
         R-HEMBB1001339//ESTs//2.1e-97:485:96//Hs.88357:AA262470
10
         R-HEMBB1001346
         R-HEMBB1001348//ESTs//1.1e-43:295:85//Hs.163604:R94354
         R-HEMBB1001356//EST//6.0e-11:89:88//Hs.152366:AA486721
         R-HEMBB1001364//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.0e-
         12:129:79//Hs.9792:AA027055
         R-HEMBB1001366//Human mRNA for KIAA0118 gene, partial cds//1.2e-50:550:72//Hs.154326:D42087
15
         R-HEMBB1001367//ESTs//1.2e-19:165:82//Hs.146314:R99617
         R-HEMBB1001369//Small inducible cytokine A5 (RANTES)//1.9e-25:217:80//Hs.155464:AF088219
         R-HEMBB1001380//ESTs//4.0e-08:216:63//Hs.143763:AI174205
         R-HEMBB1001384//ESTs//6.6e-110:547:96//Hs.6671:Al341699
20
         R-HEMBB1001387//ESTs//1.1e-104:497:98//Hs.87654:AA853970
         R-HEMBB1001394//ESTs//6.4e-73:428:89//Hs.139922:AA281350
         R-HEMBB1001410//Alcohol dehydrogenase 7 sigma subunit (class IV)//0.88:365:58//Hs.389:X76342
         R-HEMBB1001424//ESTs//1.3e-88:466:94//Hs.42174:AA194644
         R-HEMBB1001426//ESTs//2.2e-45:337:82//Hs.37573:H59651
25
         R-HEMBB1001429//EST//3.8e-59:543:76//Hs.158803:Al376846
         R-HEMBB1001436//ESTs//3.7e-69:332:99//Hs.156518:AA724317
         R-HEMBB1001443//ESTs//4.8e-54:270:98//Hs.21898:AI088201
         R-HEMBB1001449//ESTs//3.2e-43:170:84//Hs.150727:AI292236
         R-HEMBB1001454//ESTs//9.1e-46:304:86//Hs.139190:N55515
         R-HEMBB1001458//ESTs//3.2e-98:478:97//Hs.50144:N67293
30
         R-HEMBB1001463//Homo sapiens KIAA0421 mRNA, partial cds//4.3e-50:440:78//Hs.41742:AB007881
         R-HEMBB1001464//ESTs, Weakly similar to K01H12.1 [C.elegans]//0.25:222:61//Hs.13275:Al341468
         R-HEMBB1001482//ESTs, Moderately similar to zinc finger protein [R.norvegicus]//0.80:53:83//Hs.26799:W74481
         R-HEMBB1001500//EST//1.4e-13:310:67//Hs.162663:AA604515
35
         R-HEMBB1001521//Homo sapiens mRNA for KIAA0737 protein, complete cds//2.5e-29:186:92//Hs.17630:
         AB018280
         R-HEMBB1001527//ESTs, Weakly similar to HYPOTHETICAL 92.1 KD PROTEIN ZK1098.3 IN CHROMOSOME
         III [Caenorhabditis elegans]//4.7e-51:404:81//Hs.141429;AA631915
         R-HEMBB1001531//ESTs//3.3e-13:250:67//Hs.139158:AA226159
40
        R-HEMBB1001535//H.sapiens mRNA for sigma 3B protein//1.9e-39:291:82//Hs.154782:X99459
        R-HEMBB1001536//Human mRNA for KIAA0355 gene, complete cds//5.0e-44:318:83//Hs.153014:AB002353
        R-HEMBB1001537//Homo sapiens KIAA0409 mRNA, pardal cds//3.2e-47:318:80//Hs.5158:AB007869
        R-HEMBB1001555//ESTs//2.6e-13:182:71//Hs.112671;AI377274
        R-HEMBB1001562//ESTs//1.7e-43:316:83//Hs.151365:AA643962
45
        R-HEMBB1001564//EST//1.3e-35:141:81//Hs.162197:AA53521
        R-HEMBB1001565//Human mRNA for KIAA0331 gene, complete cds//5.1e-18:152:85//Hs.146395:AB002329
        R-HEMBB1001585//ESTs//1.1e-32:190:84//Hs.33354:AA179944
        R-HEMBB1001586//ESTs//4.9e-94:447:99//Hs.124084:AA843219
        R-HEMBB1001588//EST//8.3e-27:363:69//Hs.141603:N66015
50
        R-HEMBB1001603//ESTs//1.2e-101:482:99//Hs.12403:Al090184
        R-HEMBB1001618//ESTs//5.8e-35:437:70//Hs.136868:AA805044
        R-HEMBB1001619//EST//1.7e-38:476:70//Hs.139093:AA166888
        R-HEMBB1001630//Homo sapiens mRNA, clone:RES4-16//5.7e-41:193:90//Hs.121493:D25272
        R-HEMBB1001635//ESTs//9.5e-34:304:82//Hs.140444:AI002082
55
        R-HEMBB1001637//ESTs//1.0e-42:443:74//Hs.21978:AA009633
        R-HEMBB1001641//EST//2.4e-06:67:86//Hs.162398:AA572813
        R-HEMBB1001653//ESTs//4.8e-80:381:99//Hs.140502:AA806438
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R-HEMBB1001665//ESTs//2.3e-44:372:79//Hs.132818:Al038577

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R-HEMBB1001668//ESTs//0.73:212:62//Hs.8928:N32572
         R-HEMBB1001673//Homo sapiens mRNA for KIAA0646 protein, complete cds//5.9e-117:573:97//Hs.24439:
         R-HEMBB1001684//ESTs, Moderately similar to Tbcl [M.musculus]//5.4e-106:523:97//Hs.26939:AA804534
         R-HEMBB1001685//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.9e-
         43:292:86//Hs.96337:AA225358
         R-HEMBB1001695//ESTs//3.7e-101:539:94//Hs.78289:R60867
         R-HEMBB1001704//EST//0.96:248:57//Hs.163025:AA703038
         R-HEMBB1001706//ESTs//1.3e-39:308:81//Hs.141318:N71080
10
         R-HEMBB1001707//ESTs, Moderately similar to hypothetical protein 2 [H.sapiens]//4.9e-32:277:73//Hs.142764:
         R-HEMBB1001717//ESTs//1.6e-34:225:87//Hs.57883:AA218645
         R-HEMBB1001735//ESTs, Highly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]//
         8.6e-11:158:71//Hs.141263:H64113
         R-HEMBB1001736//ESTs//0.0035:223:60//Hs.21354:AA203403
15
         R-HEMBB1001747//EST//9.9e-55:293:81//Hs.112866:AA620488
         R-HEMBB1001749//ESTs//2.5e-13:95:91//Hs.139888:N25287
         R-HEMBB1001753//ESTs//2.6e-07:141:70//Hs.144604:AI052059
         R-HEMBB1001756//EST//2.6e-06:165:64//Hs.121195:AA757211
20
         R-HEMBB1001760//LOW-DENSITY LIPOPROTEIN RECEPTOR PRECURSOR//1.3e-24:264:74//Hs.70008:
         L00352
         R-HEMBB1001762//ESTs//2.1e-81:447:93//Hs.152766:AA211369
         R-HEMBB1001785//ESTs//0.040:390:58//Hs.116651:AA993406
         R-HEMBB1001797//ESTs//2.1e-90:428:99//Hs.8958:AA169253
25
         R-HEMBB1001802//Desmin//9.9e-95:497:93//Hs.119104:M63391
         R-HEMBB1001812//ESTs//1.2e-12:91:78//Hs.138852:AA284247
         R-HEMBB1001816//Human Line-1 repeat mRNA with 2 open reading frames//5.9e-13:143:76//Hs.23094:M19503
         R-HEMBB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA, complete cds//5.5e-
         106:498:98//Hs.159396:AF056209
30
         R-HEMBB1001836//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//9.6e-39:288:73//Hs.
         67619:AB007957
         R-HEMBB1001839
        R-HEMBB1001850//EST//0.020:119:68//Hs.32767:H38125
         R-HEMBB1001863//ESTs//4.5e-17:226:72//Hs.157253:AI357539
35
        R-HEMBB1001867//ESTs//2.3e-16:254:68//Hs.123664:AA806106
        R-HEMBB1001868//EST//9.8e-30:155:100//Hs.160572:AA888397
        R-HEMBB1001869//ESTs//2.8e-42:376:78//Hs.141973:N21434
        R-HEMBB1001872//EST//0.85:156:64//Hs.119501:AA487980
        R-HEMBB1001874//EST//0.64:107:70//Hs.147482:AI215572
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        R-HEMBB1001875//EST//0.079:199:59//Hs.121810:AA775240
        R-HEMBB1001880//Thromboxane A2 receptor//9.0e-47:297:88//Hs.89887:D38081
        R-HEMBB1001899//ESTs//6.3e-68:323:100//Hs.121538:AA609310
        R-HEMBB1001905//ESTs//4.4e-19:227:73//Hs.146173:AA906191
        R-HEMBB1001906//ESTs//1.6e-90:463:95//Hs.28266:H46725
45
        R-HEMBB1001908//Homo sapiens EVI5 homolog mRNA, complete cds//3.7e-27:557:64//Hs.26929:AF008915
        R-HEMBB1001910//EST//6.0e-37:308:78//Hs.162197:AA535216
        R-HEMBB1001911//Homo sapiens tapasin (NGS-17) mRNA, complete cds//8.0e-58:367:79//Hs.5247:AF029750
        R-HEMBB1001915//ESTs//3.1e-73:395:93//Hs.17054:AI139897
        R-HEMBB1001921//Human mRNA for KIAA0392 gene, partial cds//2.7e-50:323:88//Hs.40100:AB002390
50
        R-HEMBB1001922//H.sapiens mRNA for novel member of serine-arginine domain protein, SRrp129//7.4e-38:531:
        70//Hs.153086:Y11251
        R-HEMBB1001925//Human mRNA for KIAA0327 protein, complete cds//9.5e-19:199:77//Hs.149323:AB002325
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R-HEMBB1001952//ESTs//3.1e-40:283:85//Hs.146811:AA410788

R-HEMBB1001930//EST//1.9e-18:136:78//Hs.132635:Al032875 R-HEMBB1001944//EST//0.034:228:57//Hs.93664:N23366

R-HEMBB1001945//ESTs//1.8e-83:439:95//Hs.7341:N57875 R-HEMBB1001947//ESTs//5.6e-109:533:97//Hs.48855:AA134589 R-HEMBB1001950//ESTs//1.5e-107:583:93//Hs.8033:N94998

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R-HEMBB1001953//Human mRNA for KIAA0080 gene, partial cds//6.2e-50:284:83//Hs.74554:D38522
         R-HEMBB1001957//EST//4.8e-50:382:81//Hs.149580:AI281881
         R-HEMBB1001962//ESTs//1.5e-20:143:88//Hs.11924:W26972
         R-HEMBB1001967//Homo sapiens mRNA for KIAA0575 protein, complete cds//2.3e-61:296:88//Hs.153468:
5
         AB011147
         R-HEMBB1001973//ESTs//1.4e-48:303:88//Hs.132722:AA618531
         R-HEMBB1001983//ESTs//2.6e-72:374:95//Hs.141022:H06475
         R-HEMBB1001988//ESTs//2.0e-31:204:88//Hs.142531:N91572
         R-HEMBB1001990//ESTs//9.4e-115:574:96//Hs.44426:AA173223
10
         R-HEMBB1001996
         R-HEMBB1001997//ESTs//7.6e-78:380:98//Hs.32682:H37798
         R-HEMBB1002002//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//3.0e-18:222:71//Hs.103948:
         K00627
         R-HEMBB1002005//EST//2.2e-41:339:80//Hs.160833:AI345334
15
        R-HEMBB1002009//EST//2.9e-44:245:94//Hs.28788:R66896
        R-HEMBB1002015//EST//0.0027:198:63//Hs.160868:AI359052
        R-HEMBB1002042//ESTs//1.1e-75:529:84//Hs.106919:AA523900
        R-HEMBB1002043//ESTs//7.9e-40:292:83//Hs.70279:AA757426
        R-HEMBB1002044//ESTs//2.1e-92:460:94//Hs.115897:AA156638
20
        R-HEMBB1002045//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.6e-75:301:85//Hs.113283:AF018080
        R-HEMBB1002049//ESTs//3.8e-77:409:94//Hs.122624:R82638
        R-HEMBB1002050//ESTs//8.7e-45:330:82//Hs.44702:AI148840
        R-HEMBB1002068//ESTs//8.3e-70:333:99//Hs.134807;AI090671
        R-HEMBB1002069//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//1.5e-75:486:81//Hs.
25
         129735:AF010144
        R-HEMBB1002092//ESTs//6.5e-46:331:83//Hs.22910:W18193
        R-HEMBB1002094//EST//3.6e-45:280:88//Hs.149580:AI281881
        R-HEMBB1002115
        R-HEMBB1002139//ESTs//4.2e-45:318:85//Hs.107657:AA126814
30
        R-HEMBB1002142//Homo sapiens haemopoietic progenitor homeobox HPX42B (HPX42B) mRNA, complete cds//
        1.4e-45:281:88//Hs.125231:AF068006
        R-HEMBB1002152//EST//4.3e-39:250:89//Hs.156552:AA833553
        R-HEMBB1002189//H.sapiens mRNA for translin associated protein X//1.4e-47:328:85//Hs.96247:X95073
        R-HEMBB1002190//ESTs//8.3e-05:122:70//Hs.41974:AF039185
35
        R-HEMBB1002193//Human sky mRNA for Sky, complete cds//8.9e-24:398:69//Hs.301:U18934
        R-HEMBB1002217//EST//6.6e-50:303:89//Hs.149580:AI281881
        R-HEMBB1002218//ESTs//2.3e-19:150:86//Hs.136031:W95841
        R-HEMBB1002232//ESTs//8.9e-47:445:77//Hs.163971:N27584
        R-HEMBB1002247//EST//6.6e-09:236:65//Hs.130578:AI004631
40
        R-HEMBB1002249//ESTs//5.2e-16:325:64//Hs.156253:Al334807
        R-HEMBB1002254//Human Line-1 repeat mRNA with 2 open reading frames//3.8e-99:590:88//Hs.23094:M19503
        R-HEMBB1002255//Human mRNA for KIAA0365 gene, partial cds//5.6e-45:342:83//Hs.84123:AB002363
        R-HEMBB1002266//ESTs//4.4e-98:472:98//Hs.65366:AI189112
        R-HEMBB1002280//EST//2.9e-41:247:90//Hs.161917:AA483223
45
        R-HEMBB1002300//ESTs//8.4e-19:229:75//Hs.138463:N72305
        R-HEMBB1002306//Homo sapiens KIAA0432 mRNA, complete cds//0.0021:138:67//Hs.155174:AB007892
        R-HEMBB1002327//EST//0.042:249:61//Hs.121097:AA714637
        R-HEMBB1002329//ESTs//1.7e-94:453:99//Hs.7114:R24312
        R-HEMBB1002340//ESTs//5.8e-15:163:77//Hs.26378:H10228
50
        R-HEMBB1002342//Homo sapiens mRNA for putative thioredoxin-like protein//0.85:46:84//Hs.42644:AJ010841
        R-HEMBB1002358//ESTs//2.0e-52:319:81//Hs.140255:AA708322
        R-HEMBB1002359//ESTs//2.7e-106:517:97//Hs.13634:AI051613
        R-HEMBB1002364//Human mRNA for KIAA0080 gene, partial cds//5.3e-37:360:65//Hs.74554:D38522
        R-HEMBB1002371//Catalase//3.3e-22:235:77//Hs.76359:X04085
55
        R-HEMBB1002381//Homo sapiens (JH8) mRNA, partial cds//1.0e-08:120:78//Hs.142296:AF072467
        R-HEMBB1002383//ESTs//3.5e-108:520:98//Hs.45140:D80055
        R-HEMBB1002387
        R-HEMBB1002415//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.3e-23:
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168:77//Hs.133526:N21103
         R-HEMBB1002425//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//3.2e-57:304:90//Hs.144563:
         R-HEMBB1002442//ESTs//2.7e-48:289:87//Hs.155243:N70293
5
         R-HEMBB1002453//Human mRNA for KIAA0355 gene, complete cds//6.2e-45:292:87//Hs.153014:AB002353
         R-HEMBB1002457//Human mRNA for KIAA0118 gene, partial cds//2.7e-46:546:71//Hs.154326:D42087
         R-HEMBB1002458//EST//1.8e-72:343:100//Hs.162006:AA508089
         R-HEMBB1002477//ESTs//1.6e-38:215:93//Hs.18240:AA460083
         R-HEMBB1002489//ESTs//1.2e-101:534:94//Hs.7981:H15176
10
         R-HEMBB1002492//ESTs//5.0e-14:350:62//Hs.99205:AA204969
         R-HEMBB1002495//ESTs//2.1e-19:147:86//Hs.163747;AA174017
         R-HEMBB1002502//ESTs, Weakly similar to p40 [H.sapiens]//1.2e-68:336:98//Hs.141515:T41142
         R-HEMBB1002509//ESTs//2.7e-97:459:99//Hs.127638:AI014615
         R-HEMBB1002510//ESTs, Weakly similar to located at OATL1 [H.sapiens]//2.2e-48:265:95//Hs.48827:AA873278
         R-HEMBB1002520//EST//7.2e-40:198:84//Hs.140493:AA804538
15
         R-HEMBB1002522//Human putative transmembrane receptor IL-1Rrp mRNA, complete cds//0.50:142:69//Hs.
         159301:U43672
         R-HEMBB1002531//EST//0.024:147:61//Hs.148305:AA909605
         R-HEMBB1002534//EST//3.1e-22:168:84//Hs.146794:AI149478
20
         R-HEMBB1002545//ESTs//9.2e-90:421:99//Hs.118317:AI033259
         R-HEMBB1002550//ESTs, Weakly similar to Similar to S. cerevisiae LAG1 [C.elegans]//5.1e-22:210:81//Hs.11896:
         T68813
         R-HEMBB1002556//ISLET AMYLOID POLYPEPTIDE PRECURSORY//1.9e-45:344:82//Hs.51048:X68830
         R-HEMBB1002579//ESTs//4.6e-47:326:85//Hs.155184:AA573189
25
         R-HEMBB1002582//ESTs//0.00036:91:76//Hs.140039:AA047045
         R-HEMBB1002590//ESTs//1.0e-37:210:84//Hs.36658:N91138
         R-HEMBB1002596//Human mRNA for KIAA0118 gene, partial cds//2.2e-46:297:87//Hs.154326:D42087
         R-HEMBB1002600//EST//2.5e-17:147:84//Hs.121918:AA777424
         R-HEMBB1002601//ESTs//7.8e-68:358:95//Hs.101489:R66923
30
         R-HEMBB1002603//EST//1.1e-47:281:90//Hs.149580:Al281881
         R-HEMBB1002607//ESTs//5.4e-75:379:97//Hs.29438:H42896
         R-HEMBB1002610//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//6.2e-07:
         140:70//Hs.155456:AA707265
         R-HEMBB1002613//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0508//8.5e-47:278:83//Hs.
35
         159187:AB007977
         R-HEMBB1002614//ESTs//3.4e-81:383:99//Hs.13012:AI094150
         R-HEMBB1002617//Homo sapiens protease-activated receptor 4 mRNA, complete cds//7.4e-19:151:80//Hs.
         137574:AF055917
         R-HEMBB1002623//ESTs//1.6e-45:288:87//Hs.138852:AA284247
         R-HEMBB1002635//Small inducible cytokine A5 (RANTES)//5.5e-39:278:81//Hs.155464:AF088219
40
         R-HEMBB1002664//EST//8.9e-49:315:87//Hs.149580:Al281881
         R-HEMBB1002677//ESTs//0.65:159:62//Hs.163517:Al419775
         R-HEMBB1002683//H.sapiens mRNA for delta 4-3-oxosteroid 5 beta-reductase//8.6e-54:543:75//Hs.2638:
         Z28339
        R-HEMBB1002684//ESTs//3.0e-18:148:87//Hs.158270:AA776646
45
        R-HEMBB1002686//ESTs//6.1e-80:419:96//Hs.103002:W02753
        R-HEMBB1002692//ESTs//3.3e-58:451:82//Hs.141254:Al334099
         R-HEMBB1002697//ESTs//6.2e-86:423:98//Hs.129812:AA769487
         R-HEMBB1002699//EST//5.6e-46:322:84//Hs.140231;AI054398
50
        R-HEMBB1002702//ESTs//5.6e-36:412:72//Hs.154993:AA142842
        R-HEMBB1002705//POLYPOSIS LOCUS PROTEIN 1//0.024:412:58//Hs.74648:M73547
         R-HEMBB1002712//ESTs//9.0e-96:451:99//Hs.136806:AA805682
         R-MAMMA1000009//ESTs//3.0e-78:392:96//Hs.163947:AA678701
         R-MAMMA1000019//Small inducible cytokine A5 (RANTES)//1.5e-47:247:87//Hs.155464:AF088219
         R-MAMMA1000020//Zinc finger protein 2 (A1-5)//4.9e-49:384:80//Hs.155533:X60152
55
         R-MAMMA1000025//Homo sapiens KIAA0441 mRNA, complete cds//4.7e-11:154:71//Hs.32511:AB007901
        R-MAMMA1000043//Homo sapiens mRNA for KIAA0761 protein, partial cds//2.0e-58:277:84//Hs.93121:
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AB018304

- R-MAMMA1000045//ESTs//1.0e-38:225:92//Hs.142567:AA287165
- R-MAMMA1000055//EST//0.14:91:67//Hs.144061;AA996350
- R-MAMMA1000057//Fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, Bombay phenotype included)//3.8e-77:545:83//Hs.69747:M35531
- 5 R-MAMMA1000069//ESTs//8.0e-108:546:96//Hs.44856:N37065
  - R-MAMMA1000084//Homo sapiens clone 23632 mRNA sequence//7.3e-43:313:83//Hs.46918:AF052099
  - R-MAMMA1000085//ESTs, Highly similar to PUTATIVE CYSTEINYL-TRNA SYNTHETASE C29E6.06C [Schizosaccharomyces pombe]//7.7e-104:546:94//Hs.7779:AA045241
  - R-MAMMA1000092//EST, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.2e-22:287:71//Hs.136063:U51713
  - R-MAMMA1000103//LOW-DENSITY LIPOPROTEIN RECEPTOR PRECURSOR//8.4e-49:334:86//Hs.70008: L00352
  - R-MAMMA1000117//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.1e-08: 96:80//Hs.115088:AA230172
- <sup>15</sup> R-MAMMA1000129//EST//2.8e-64:310:99//Hs.136394:AA523577
  - R-MAMMA1000133
  - R-MAMMA1000134//ESTs//1.1e-21:152:87//Hs.163747:AA174017
  - R-MAMMA1000139//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//6.3e-40:288:78//Hs. 159897:AB007970
- <sup>20</sup> R-MAMMA1000143//EST//5.0e-52:314:89//Hs.149580:Al281881
  - R-MAMMA1000155//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//1.5e-59: 562:75//Hs.77579:AF013263
  - R-MAMMA1000163//ESTs//2.8e-92:457:96//Hs.114413:AA884787
  - R-MAMMA1000171//Homo sapiens mRNA for putative lipoic acid synthetase, partial//2.5e-39:173:83//Hs.53531:
- 25 AJ224162

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- R-MAMMA1000173//ESTs, Highly similar to SRC SUBSTRATE P80/85 PROTEINS [Gallus gallus]//2.4e-07:63: 90//Hs.90367;Al357069
- R-MAMMA1000175//EST//0.66:217:58//Hs.146444:AI127611
- R-MAMMA1000183//ESTs//6.7e-30:341:73//Hs.125254:AA872054
- R-MAMMA1000198//EST//2.8e-45:185:88//Hs.149580:Al281881
  - R-MAMMA1000221//ESTs, Weakly similar to circadian clock protein [M.musculus]//1.4e-41:272:90//Hs.68398: AA421103
  - R-MAMMA1000227//EST//2.4e-39:388:76//Hs.144175:H70425
  - R-MAMMA1000241//EST//0.0027:263:61//Hs.37532:H57946
- R-MAMMA1000251//Homo sapiens mRNA for KIAA0772 protein, complete cds//5.3e-47:322:86//Hs.15519: AB018315
  - R-MAMMA1000254//Homo sapiens tumor necrosis factor superfamily member LIGHT mRNA, complete cds//2.2e-43:315:83//Hs.129708:AF064090
  - R-MAMMA1000257//EST//1.6e-62:330:93//Hs.141728:W73041
- 40 R-MAMMA1000264//Von Hippel-Lindau syndrome//2.3e-31:141:81//Hs.78160:AF010238
  - R-MAMMA1000266//ESTs//3.4e-34:150:81//Hs.163980:AA715814
  - R-MAMMA1000270//Hōmo sapiens mRNA, chromosome 1 specific transcript KIAA0508//2.7e-57:304:78//Hs. 159187:AB007977
  - R-MAMMA1000277//Thiopurine S-methyltransferase//3.7e-27:380:71//Hs.51124:AF019369
- <sup>45</sup> R-MAMMA1000278//ESTs//5.2e-99:504:95//Hs.8494:W72694
  - R-MAMMA1000279//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//3.1e-58:295:83//Hs. 92381:AB007956
  - R-MAMMA1000284//EST//4.1e-10:151:73//Hs.60742:AA017066
  - R-MAMMA1000287
- 50 R-MAMMA1000302//Homo sapiens KIAA0432 mRNA, complete cds//1.0;50:84//Hs.155174;AB007892
  - R-MAMMA1000307//Human mRNA for KIAA0033 gene, partial cds//1.8e-48:468:76//Hs.22271:D26067
  - R-MAMMA1000309//ESTs//1.7e-94:491:94//Hs.135106:Al335251
  - R-MAMMA1000312//ESTs//8.9e-74:377:96//Hs.133163:AI051434
  - R-MAMMA1000313//EST//8.3e-19:294:62//Hs.127400:AA954491
- For all the second states of the second second representation of the secon
  - R-MAMMA1000339//EST//6.8e-44:169:89//Hs.149580:AI281881
  - R-MAMMA1000340//Homo sapiens mRNA for KIAA0625 protein, partial cds//0.82:204:61//Hs.154919:AB014525

R-MAMMA1000348//ESTs//3.3e-34:320:75//Hs.139158:AA226159 R-MAMMA1000356//ESTs, Highly similar to URIDYLATE KINASE [Saccharomyces cerevisiae]//0.42:172:61//Hs. 11463:AA535912 R-MAMMA1000360//Human mRNA for KIAA0118 gene, partial cds//3.8e-43:212:82//Hs.154326:D42087 5 R-MAMMA1000361//ESTs//3.1e-17:188:68//Hs.164036;AA845659 R-MAMMA1000372//ESTs//1.0e-46:307:85//Hs.145032:AA343523 R-MAMMA1000385//ESTs//8.2e-97:467:98//Hs.152282:AA412065 R-MAMMA1000388//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds//8.6e-14:106: 92//Hs.32170:AB015132 10 R-MAMMA1000395//ESTs//1.9e-57:292:96//Hs.11365:AB01060 R-MAMMA1000402//ESTs, Moderately similar to RETROVIRUS-RELATED POL POLYPROTEIN [Mus musculus] //9.1e-47:316:81//Hs.138698:N38973 R-MAMMA1000410//Archain//1.8e-40:443:74//Hs.33642:X81198 R-MAMMA1000413//Homo sapiens mRNA for KIAA0792 protein, complete cds//1.3e-27:304:72//Hs.119387: 15 R-MAMMA1000414//ESTs//2.9e-27:181:87//Hs.141254:AI334099 R-MAMMA1000416//Human macrophage-derived chemokine precursor (MDC) mRNA, complete cds//1.5e-58: 282:82//Hs.97203:U83171 R-MAMMA1000421//Thromboxane A2 receptor//4.9e-48:372:80//Hs.89887:D38081 20 R-MAMMA1000422//ESTs//0.077:240:62//Hs.123136:AA631067 R-MAMMA1000423//Human mRNA for KIAA0392 gene, partial cds//1.3e-48:375:81//Hs.40100:AB002390 R-MAMMA1000424//Human melanoma antigen recognized by T-cells (MART-1) mRNA//1.4e-44:418:75//Hs. 154069:U06452 R-MAMMA1000429//ESTs//3.9e-113:565:96//Hs.5076:N53461 25 R-MAMMA1000431//Human macrophage-derived chemokine precursor (MDC) mRNA, complete cds//8.6e-68: 302:85//Hs.97203:U83171 R-MAMMA1000444//Calcium modulating ligand//5.5e-44:344:81//Hs.13572:AF068179 R-MAMMA1000446//ESTs//1.0:236:60//Hs.126958;AI147447 R-MAMMA1000458 30 R-MAMMA1000468//ESTs//4.4e-51:271:96//Hs.6839:AA055176 R-MAMMA1000472//ESTs//5.4e-39:146:86//Hs.141581:AA315361 R-MAMMA1000478//ESTs//2.3e-74:365:98//Hs.140591:AA828959 R-MAMMA1000483//ESTs//9.9e-23:235:75//Hs.163592:AA280886 R-MAMMA1000490//EST//2.1e-80:500:87//Hs.142137:AA213759 35 R-MAMMA1000500//Small inducible cytokine A5 (RANTES)//4.7e-43:283;86//Hs.155464:AF088219 R-MAMMA1000501//ESTs//4.2e-37:250:86//Hs.141323:N80390 R-MAMMA1000516//Human mRNA for KIAA0392 gene, partial cds//5.1e-46:459:75//Hs.40100:AB002390 R-MAMMA1000522//ESTs//9.5e-16:226:70//Hs.116673:AA669267 R-MAMMA1000559//ESTs//5.2e-34:244:84//Hs.150727:Al292236 40 R-MAMMA1000565//EST//2.7e-38:386:76//Hs.162404:AA573131 R-MAMMA1000567//EST//0.33:49:79//Hs.147754:AI220561 R-MAMMA1000576//ESTs//4.9e-57:348:89//Hs.108921;N31211 R-MAMMA1000583//Homo sapiens KIAA0412 mRNA, partial cds//1.3e-52:373:77//Hs.6200:AB007872 R-MAMMA1000585//ESTs//5.1e-40:337:78//Hs.130815:AA936548 45 R-MAMMA1000594//Small inducible cytokine A5 (RANTES)//3.0e-45:225:80//Hs.155464:AF088219 R-MAMMA1000597//ESTs//2.0e-98:461:99//Hs.43212:AA993042 R-MAMMA1000605//CD4 receptor {exons 1 and 2} [human, T-lymphocyte, mRNA, 3429 nt]//1.5e-50:500:73//Hs. 116007:S79267 R-MAMMA1000612//ESTs, Highly similar to HYPOTHETICAL TRP-ASP REPEATS CONTAINING PROTEIN IN

50 SIS1-MRPL2 INTERGENIC REGION [Saccharomyces cerevisiae]//8.6e-108:559:94//Hs.29203:AI344105 R-MAMMA1000616//EST//0.071:169:60//Hs.144096:AI032180

R-MAMMA1000621//ESTs//1.0e-90:477:94//Hs.26073:R96361

R-MAMMA1000623

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R-MAMMA1000625//ESTs//3.4e-98:556:91//Hs.119482:AI361002

R-MAMMA1000643//EST//4.9e-74:379:96//Hs.137447:AA342203

R-MAMMA1000664//Homo sapiens mRNA for putative lipoic acid synthetase, partial//3.2e-43:400:76//Hs.53531: AJ224162

R-MAMMA1000669//EST//6.9e-53:368:84//Hs.149580;AI281881

R-MAMMA1000670//ESTs, Highly similar to HYPOTHETICAL PROTEIN IN TONB 3'REGION (Klebsiella pneumoniae]//8.4e-98:464:98//Hs.31431:AI022065 R-MAMMA1000672//ESTs//2.0e-80:382:99//Hs.106747:AI080476 R-MAMMA1000684//ESTs//6.2e-72:357:98//Hs.67896:AA865212 R-MAMMA1000696//Human mRNA for KIAA0345 gene, complete cds//3.3e-52:216:75//Hs.98938:AB002343 5 R-MAMMA1000707//EST//7.0e-11:195:68//Hs.147002:AI184644 R-MAMMA1000713//Homo sapiens DEC-205 mRNA, complete cds//1.5e-45:485:74//Hs.153563:AF011333 R-MAMMA1000714//ESTs, Moderately similar to hypothetical protein 2 [H.sapiens]//1.2e-29:158:79//Hs.142764: AA205569 10 R-MAMMA1000718//ESTs//3.1e-45:264:88//Hs.152413:AA780515 R-MAMMA1000720//ESTs//7.4e-44:244:87//Hs.111742:R39329 R-MAMMA1000723//Homo sapiens mRNA for alpha(I,2)fucosyltransferase, complete cds//5.6e-52:350:82//Hs. R-MAMMA1000731//ESTs//1.1e-19:420:66//Hs.35036·H95267 15 R-MAMMA1000732//EST//2.9e-20:229:74//Hs.135400:AI056893 R-MAMMA1000733//ESTs, Weakly similar to HYPOTHETICAL 92.1 KD PROTEIN ZK1098.3 IN CHROMOSOME III [Caenorhabditis elegans]//1.2e-35:371:74//Hs.141429:AA631915 R-MAMMA1000734//Homo sapiens SEC63 (SEC63) mRNA, complete cds//2.1e-58:253:98//Hs.31575:AF100141 R-MAMMA1000738//ESTs, Weakly similar to similar to Achlya ambisexualis antheridiol steroid receptor [C.ele-20 gans]//2.3e-116:557:98//Hs.71472:AA632288 R-MAMMA1000744//ESTs//0.015:143:67//Hs.135382:AI224205 R-MAMMA1000746//Human Line-1 repeat mRNA with 2 open reading frames//2.3e-90:568:86//Hs.23094:M19503 R-MAMMA1000752//Interleukin 10//2.8e-43:339:80//Hs.2180:M57627 R-MAMMA1000760//EST//5.0e-44:306:86//Hs.162404:AA573131 25 R-MAMMA1000761//EST//5.0e-41:187:85//Hs.162335:AA564256 R-MAMMA1000775//Human mRNA for KIAA0355 gene, complete cds//3.0e-46:465:76//Hs.153014:AB002353 R-MAMMA1000776//ESTs//1.9e-43:429:73//Hs.141742:W22204 R-MAMMA1000778//ESTs//1.8e-31:445:70//Hs.111723:H57439 R-MAMMA1000782//EST//0.0019:102:68//Hs.120686:AA747150 R-MAMMA1000798//ESTs//1.4e-13:267:69//Hs.140156:AA704163 30 R-MAMMA1000802//Clathrin, light polypeptide (Lcb)//1.5e-45:358:76//Hs.73919:X81637 R-MAMMA1000831//ESTs//1.3e-1,04:510:97//Hs.17494:AA572675 R-MAMMA1000839//EST//2.9e-51:307:89//Hs.149580:AI281881 R-MAMMA1000841//ESTs//1.3e-34:412:72//Hs.121256:AA757902 35 R-MAMMA1000842//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//9.4e-44:363:79//Hs.96337:AA225358 R-MAMMA1000843//ESTs//2.2e-106:525:97//Hs.152016:AA603097 R-MAMMA1000845//ESTs//1.6e-66:327:98//Hs.156900:AA468955 R-MAMMA1000851//ESTs//3.7e-14:115:86//Hs.140590:R76251 40 R-MAMMA1000855//Human mRNA for KIAA0392 gene, partial cds//5.7e-47:281:91//Hs.40100:AB002390 R-MAMMA1000856//EST//1.8e-16:150:79//Hs.136811:AA789212 R-MAMMA1000862//EST//3.2e-05:93:73//Hs.161205:AI419311 R-MAMMA1000863//ESTs//1.0e-46:446:73//Hs.153432:AA098922 R-MAMMA1000865//Homo sapiens clone 23632 mRNA sequence//3.0e-39:324:80//Hs.46918:AF052099 45 R-MAMMA1000867//ESTs//9.8e-16:193:76//Hs.152340:AA521399 R-MAMMA1000875//EST//3.1e-24:301:72//Hs.132635:Al032875 R-MAMMA1000876//ESTs//9.9e-48:246:97//Hs.112165:AA621243 R-MAMMA1000877//ESTs//1.4e-38:324:79//Hs.141024:H07128 R-MAMMA1000880//Homo sapiens mRNA for KIAA0594 protein, partial cds//3.2e-40:542:68//Hs.154872: 50 AB011166 R-MAMMA1000883//ESTs//1.0:207:60//Hs.47199:N51107 R-MAMMA1000897//ESTs//2.6e-78:383:97//Hs.41067:Al310215

R-MAMMA1000905//Human mRNA for KIAA0331 gene, complete cds//9.7e-53:307:91//Hs.146395:AB002329

R-MAMMA1000906//ESTs//8.0e-25:206:83//Hs.141825:AA017093

R-MAMMA1000908//ESTs//4.4e-32:176:96//Hs.38559:AA701634

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R-MAMMA1000914//ESTs//0.032:150:63//Hs.119162:AA399989

R-MAMMA1000921//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, complete cds//7.7e-38:269:74//Hs.108966:U48696

R-MAMMA1000931//ESTs//1.2e-80:457:91//Hs.122319:AA782335 R-MAMMA1000940//ESTs//3.3e-43:329:82//Hs.35254:AI133727 R-MAMMA1000941//ESTs//7.5e-55:306:84//Hs.163936:AA632281 R-MAMMA1000942//ESTs//2.5e-83:405:98//Hs.116491:AA650428 5 R-MAMMA1000943//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//9.3e-79:567: 80//Hs.1361:M55053 R-MAMMA1000956//EST//5.7e-53:256:100//Hs.162209:AA536178 R-MAMMA1000957//Kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4))//7.5e-49:340:85//Hs.103458:X53795 R-MAMMA1000962//Homo sapiens mRNA for KIAA0575 protein, complete cds//2.0e-48:216:85//Hs.153468: 10 R-MAMMA1000968//EST//6.2e-46:302:86//Hs.149580:AI281881 R-MAMMA1000975//ESTs//1.4e-85:428:96//Hs.141742:W22204 R-MAMMA1000979//Homo sapiens mRNA for KIAA0761 protein, partial cds//8.0e-39:338:79//Hs.93121: 15 AB018304 R-MAMMA1000987//EST//2.8e-41:249:90//Hs.149580:AI281881 R-MAMMA1000998//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//3.9e-50: 445:77//Hs.77579:AF013263 R-MAMMA1001003//Sialophorin (gpL115, leukosialin, CD43)//4.1e-51:282:82//Hs.80738:X52075 20 R-MAMMA1001008//ESTs, Weakly similar to renin [H.sapiens]//1.9e-82:405:97//Hs.25863:AA630313 R-MAMMA1001021//Homo sapiens DEC-205 mRNA, complete cds//3.0e-44:309:86//Hs.153563:AF011333 R-MAMMA1001024//ESTs//6.8e-35:333:78//Hs.107657:AA126814 R-MAMMA1001030//ESTs//1.6e-110:552:96//Hs.59483;AA524536 R-MAMMA1001035//ESTs//1.0e-45:273:85//Hs.138856:H47461 25 R-MAMMA1001038//Human mRNA for KIAA0392 gene, partial cds//3.0e-50:298:91//Hs.40100:AB002390 R-nnnnnnnnn//ESTs//3.6e-86:445:95//Hs.122625:R68650 R-MAMMA1001050//EST//2.2e-54:387:85//Hs.149580:Al281881 R-MAMMA1001059//ESTs, Moderately similar to RNA helicase [M.musculus]//1.7e-13:273:65//Hs.98738: AI015487 30 R-MAMMA1001067//ESTs//1.3e-38:324:78//Hs.20190:AA525532 R-MAMMA1001073//ESTs//5.2e-106:554:94//Hs.12336:W63748 R-MAMMA1001074//Human mRNA for KIAA0355 gene, complete cds//1.2e-38:544:68//Hs.153014:AB002353 R-MAMMA1001075//ESTs//2.0e-98:463:99//Hs.18341:N38944 R-MAMMA1001078//Human Line-1 repeat mRNA with 2 open reading frames//1.7e-84:556:85//Hs.23094:M19503 35 R-MAMMA1001082//ESTs//2.4e-71:356:97//Hs.152302:T90222 R-MAMMA1001091//ESTs//4.7e-83:429:95//Hs.154412:AA310926 R-MAMMA1001092//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds// 6.4e-34:262:82//Hs.129727:AF035587 R-MAMMA1001105//Human putative RNA binding protein RNPL mRNA, complete cds//4.2e-27:232:76//Hs. 40 61840:U28686 R-MAMMA1001110//ESTs//1.6e-17:128:87//Hs.161314:AI421576 R-MAMMA1001126//CD4 receptor {exons 1 and 2} [human, T-lymphocyte, mRNA, 3429 nt]//8.8e-53:462:78//Hs. 116007:S79267 R-MAMMA1001133//Homo sapiens tapasin (NGS-17) mRNA, complete cds//1.8e-59:460:81//Hs.5247:AF029750 45 R-MAMMA1001139//ESTs//1.3e-62:341:94//Hs.18819:R01029 R-MAMMA1001143//ESTs//3.0e-48:383:80//Hs.152340:AA521399 R-MAMMA1001145//Calcium modulating ligand//5.1e-48:403:79//Hs.13572:AF068179 R-MAMMA1001154//EST//6.8e-35:313:75//Hs.162404:AA573131 R-MAMMA1001161//Homo sapiens tapasin (NGS-17) mRNA, complete cds//1.1e-58:409:84//Hs.5247:AF029750 50 R-MAMMA1001162//ESTs, Highly similar to t-BOP [M.musculus]//2.1e-91:430:99//Hs.129982:AI420970 R-MAMMA1001181//ESTs//5.0e-112:557:96//Hs.118181:W02251 R-MAMMA1001186//ESTs//3.8e-85:410:99//Hs.163811:W44959 R-MAMMA1001191//ESTs//0.018:57:87//Hs.141253:AA226519 R-MAMMA1001198//ESTs, Weakly similar to involved in signaling by the epidermal growth factor receptor [M. 55 musculus]//2.6e-80:358:96//Hs.163827:AA074202 R-MAMMA1001202//ESTs//7.0e-43:230:95//Hs.79788:AA527348

R-MAMMA1001203//Clathrin, light polypeptide (Lcb)//2.8e-65:348:79//Hs.73919:X81637

R-MAMMA1001206//EST//0.098:84:72//Hs.162941:AA635148

- R-MAMMA1001215//ESTs//1.3e-43:156:86//Hs.155243:N70293 R-MAMMA1001220//ESTs//8.9e-17:276:68//Hs.116518:AA653202 R-MAMMA1001222//ESTs//0.49:112:66//Hs.24668:AA897315 R-MAMMA1001243//EST//0.99:143:62//Hs.68522:C20701 R-MAMMA1001244//ESTs//2.2e-06:79:83//Hs.123163:AA809619 R-MAMMA1001249//ESTs//4.2e-68:343:97//Hs.147139:AI191307 R-MAMMA1001256//ESTs, Moderately similar to hypothetical protein 2 [H.sapiens]//4.7e-31:221:77//Hs.142764: AA205569 R-MAMMA1001259//ESTs//1.3e-43:266:90//Hs.6193:AA045149 R-MAMMA1001260//Homo sapiens mRNA for KIAA0661 protein, complete cds//2.0e-21:226:75//Hs.65238: 10 R-MAMMA1001268//H.sapiens HCG II mRNA//2.4e-53:181:85//Hs.146333:X81001 R-MAMMA1001271//ESTs, Highly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK [Mus musculus]//1.1e-108:546:95//Hs.18999:N30643 15 R-MAMMA1001274//Homo sapiens mRNA for KIAA0572 protein, partial cds//4.4e-32:188:94//Hs.14409: AB011144 R-MAMMA1001280//EST//0.0015:170:62//Hs.116770:AA630371 R-MAMMA1001292//ESTs//5.6e-102:481:99//Hs.94810:AA811876 R-MAMMA1001296//Homo sapiens mRNA for KIAA0563 protein, complete cds//2.2e-27:348:70//Hs.15731: 20 AB011135 R-MAMMA1001298//ESTs//1.4e-44:375:79//Hs.70279:AA757426 R-MAMMA1001305//Human G protein-coupled receptor (STRL22) mRNA, complete cds//4.0e-43:300:85//Hs. 46468:U45984 R-MAMMA1001322//Homo sapiens stress-activated protein kinase 4 mRNA, complete cds//8.8e-12:188:70//Hs. 25 55771:AF004709 R-MAMMA1001324//ESTs//5.3e-68:297:88//Hs.121228:AA709471 R-MAMMA1001330//ESTs//1.6e-57:429:83//Hs.70279:AA757426 R-MAMMA1001341//Homo sapiens 4F5S mRNA, complete cds//4.8e-27:285:75//Hs.32567:AF073519 R-MAMMA1001343//ESTs//8.1e-51:273:93//Hs.162208:AA536127 30 R-MAMMA1001346//ESTs//1.0:122:65//Hs.33028:AA482478 R-MAMMA1001383//ESTs//1.4e-45:377:80//Hs.114671:N39322 R-MAMMA1001388//EST//7.7e-47:361:80//Hs.162197:AA535216 R-MAMMA1001397//EST//8.7e-48:337:83//Hs.149580:Al281881 R-MAMMA1001408//EST//1.2e-38:251:87//Hs.162677;AA604831 35 R-MAMMA1001411//ESTs//4.3e-93:435:99//Hs.105460:AA780275 R-MAMMA1001419//Homo sapiens translation initiation factor 4e mRNA, complete cds//1.6e-19:117:96//Hs. 19122:AF038957 R-MAMMA1001420//ESTs//7.3e-96:507:95//Hs.55299:AI335267 R-MAMMA1001435//ESTs//5.0e-97:459:99//Hs.144843:AI222168 40 R-MAMMA1001442//ESTs//7.1e-28:167:83//Hs.141019:AA287618 R-MAMMA1001446//Homo sapiens KIAA0432 mRNA, complete cds//6.2e-19:328:67//Hs.155174:AB007892 R-MAMMA1001452//EST//5.6e-44:487:75//Hs.161476:N57542 R-MAMMA1001465 R-MAMMA1001476//Homo sapiens yolk sac permease-like molecule 3 (YSPL3) mRNA, complete cds//0.79:182: 45 66//Hs.136529:AF058317 R-MAMMA1001487//Homo sapiens KIAA0395 mRNA, partial cds//1.1e-35:328:78//Hs.43681:AL022394 R-MAMMA1001501//ESTs//4.6e-100:472:98//Hs.123660:AA813065 R-MAMMA1001502//Human mRNA for KIAA0080 gene, partial cds//5.6e-15:220:69//Hs.74554:D38522 R-MAMMA1001510 50 R-MAMMA1001522//ESTs//3.2e-16:214:75//Hs.152816:AA634242 R-MAMMA1001547//H.sapiens mRNA for urea transporter//2.3e-45:282:89//Hs.66710:X96969
- R-MAMMA1001551//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, complete cds//1.9e-56:489:76//Hs.108966:U48696
  R-MAMMA1001575//ESTs//4.3e-92:440:98//Hs.162882:AA807140
  R-MAMMA1001576//ESTs, Highly similar to TUBULIN GAMMA CHAIN [Homo sapiens]//1.9e-111:549:96//Hs. 21635:AI17305
- R-MAMMA1001590//ESTs//1.1e-63:324:96//Hs.142217:AA278441 R-MAMMA1001600//ESTs//5.6e-15:159:78//Hs.138633:H98792

|    | R-MAMMA1001604  R-MAMMA1001606//ESTs, Weakly similar to finger protein kox1 [H.sapiens]//1.9e-97:488:96//Hs.143263: |
|----|---|
|    | AI057616  P. MAMMA1001620//Home conjuga mPNIA clone: PESA 16//5 4e 42:408:75//Hz 121402: P25272                     |
| 5  | R-MAMMA1001620//Homo sapiens mRNA, clone:RES4-16//5.4e-43:408:76//Hs.121493:D25272                                  |
| 3  | R-MAMMA1001627//Homo sapiens mRNA for KIAA0772 protein, complete cds//2.0e-49:472:76//Hs.15519: AB018315            |
|    | R-MAMMA1001630//ESTs, Weakly similar to putative p150 [H.sapiens]//6.8e-15:168:73//Hs.115216:AA291074               |
|    | R-MAMMA1001633//EST//5.1e-14:228:68//Hs.141456:N36377   |
|    | R-MAMMA1001635//ESTs//3.4e-37:368:75//Hs.164033:AA769606  |
| 10 | R-MAMMA1001649  |
|    | R-MAMMA1001663//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//1.7e-54:272:81//                  |
|    | Hs.129735:AF010144  |
|    | R-MAMMA1001670//Small inducible cytokine A5 (RANTES)//5.7e-50:304:89//Hs.155464:AF088219                            |
|    | R-MAMMA1001671//EST//1.9e-14:312:65//Hs.137153:R46248   |
| 15 | R-MAMMA1001679//H.sapiens mRNA for rho GDP-dissociation Inhibitor 1//0.066:196:62//Hs.159161:X69550                 |
|    | R-MAMMA1001683//ESTs//4.9e-94:447:98//Hs.134464:AI151081  |
|    | R-MAMMA1001686//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//1.0e-17:246:73//Hs.                   |
|    | 67619:AB007957  |
|    | R-MAMMA1001692//Human mRNA for KIAA0063 gene, complete cds//2.1e-47:294:89//Hs.3094:D31884                          |
| 20 | R-MAMMA1001711//ESTs//2.4e-86:439:96//Hs.18498:N52088   |
|    | R-MAMMA1001715//ESTs//1.2e-73:399:9311Hs.124620;Al082338  |
|    | R-MAMMA1001730//ESTs//1.1e-85:403:99//Hs.125464;AI084596  |
| ,  | R-MAMMA1001735//ESTs, Highly similar to TUBULIN BETA-5 CHAIN [Gallus gallus]//3.7e-110:552:96//Hs.6923:             |
|    | Al161158  |
| 25 | R-MAMMA1001740//ESTs//4.6e-45:342:82//Hs.37573:H59651   |
|    | R-MAMMA1001743//EST//2.7e-58:412:85//Hs.149742:Al285666   |
|    | R-MAMMA1001744  |
|    | R-MAMMA1001745//EST//5.6e-54:374:84//Hs.137041:AA877817   |
|    | R-MAMMA1001751//EST//3.5e-36:375:73//Hs.139715:N25041   |
| 30 | R-MAMMA1001754//EST//0.18:144:66//Hs.71957:AA151413   |
|    | R-MAMMA1001757//ESTs//1.0e-9.8:488:96//Hs.45184:C14904  |
|    | R-MAMMA1001760//ESTs//8.7e-29:206:86//Hs.143310:AI142276  |
|    | R-MAMMA1001764//ESTs//0.00012:434:58//Hs.120051:AA707847  |
|    | R-MAMMA1001768//Human mRNA for KIAA0327 protein, complete cds//2.3e-41:299:85//Hs.149323:AB002325                   |
| 35 | R-MAMMA1001769//EST//1.7e-15:139:81//Hs.162399:AA572825   |
|    | R-MAMMA1001771//ESTS, Moderately similar to semaphorin B [M.musculus]//7.6e-43:257:91//Hs.7634:                     |
|    | AA481246  |
|    | R-MAMMA1001783//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//5.6e-42:272:86//              |
|    | Hs.73614:U83460   |
| 40 | R-MAMMA1001785//ESTs//1.5e-87:431:98//Hs.131065:AA972238  |
|    | R-MAMMA1001788//EST//0.95:108:62//Hs.145881:AI274644  |
|    | R-MAMMA1001790//ESTs//4.0e-41:340:80//Hs.158045:AA425744  |
|    | R-MAMMA1001806//EST//1.4e-40:297:84//Hs.141240:H60313   |
|    | R-MAMMA1001812//ESTs//2.4e-93:446:98//Hs.129034:AA776892  |
| 45 | R-MAMMA1001815//EST//0.00053:371:59//Hs.133255:AI052659   |
|    | R-MAMMA1001817//Human mRNA for KIAA0226 gene, complete cds//2.1e-46:325:87//Hs.44106:D86979                         |
|    | R-MAMMA1001818  |
|    | R-MAMMA1001820//EST//1.9e-49:303:89//Hs.149580:Al281881   |
|    | R-MAMMA1001824//Homo sapiens 4F5S mRNA, complete cds//4.3e-48:438:75//Hs.32567:AF073519                             |
| 50 | R-MAMMA1001836//ESTs//3.8e-06:128:71//Hs.143611:M78140  |
|    | R-MAMMA1001837//Homo sapiens KIAA0395 mRNA, partial cds//3.8e-47:339:83//Hs.43681:AL022394                          |
|    | R-MAMMA1001848//ESTs//2.1e-16:125:85//Hs.161662:AA836811  |
|    | R-MAMMA1001851//ESTs//4.5e-48:344:84//Hs.138856:H47461  |
|    | R-MAMMA1001854//Small inducible cytokine A5 (RANTES)//2.6e-38:280:83//Hs.155464:AF088219                            |

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 $R-MAMMA1001864 \textit{I}/Homo \ sapiens \ mRNA \ for \ KIAA0475 \ protein, \ complete \ cds \textit{I}/7.8e-31:262:77 \textit{I}/Hs.5737:$ 

R-nnnnnnnnnn/Homo sapiens antigen NY-CO-16 mRNA, complete cds//9.2e-06:450:58//Hs.132206:

R-MAMMA1001858//ESTs//1.1e-44:331:83//Hs.44702:AI148840

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AB007944

#### AF039694

R-MAMMA1001874//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//4.9e-46:332:83// Hs.73614:U83460

R-MAMMA1001878//Cytochrome P450, 51 (lanosterol 14-alpha-demethylase)//1.2e-46:429:78//Hs.2379:U23942

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  - R-MAMMA1001890//ESTs//1.1e-39:338:79//Hs.146811:AA410788
  - R-MAMMA1001907//Kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4))//6.7e-47:283:89//Hs.103458:X53795
- 10 R-nnnnnnnnn//ESTs//0.043:134:65//Hs.145333:Al251374
  - R-MAMMA1001931//ESTs//1.8e-75:361:99//Hs.148125:AA693801
  - R-MAMMA1001956//Homo sapiens mRNA for KIAA0706 protein, complete cds//1.4e-18:174:77//Hs.139648: AB014606
  - R-MAMMA1001963//ESTs//6.7e-28:206:84//Hs.163254;AA828790
- R-MAMMA1001969//ESTs, Weakly similar to hypothetical protein [H.sapiens]//6.7e-24:331:71//Hs.140506: AA308018
  - R-MAMMA1001970//ESTs//8.9e-61:286:84//Hs.141575:AA211734
  - R-MAMMA1001992//ESTs//4.4e-43:339:82//Hs.155498:W27084
  - R-MAMMA1002009//Small inducible cytokine A5 (RANTES)//4.6e-24:330:70//Hs.155464:AF088219
- <sup>20</sup> R-MAMMA1002011//ESTs//9.5e-72:360:97//Hs.13525:R39054
  - R-MAMMA1002032//Human melanoma antigen recognized by T-cells (MART-1) mRNA//3.7e-45:370:80//Hs. 154069:U06452
  - R-MAMMA1002033//EST//4.6e-23:264:74//Hs.161917:AA483223
  - R-MAMMA1002041//ESTs//3.8e-100:465:100//Hs.141361;Al206412
- R-MAMMA1002042//Homo sapiens 4F5S mRNA, complete cds//1.1e-43:407:76//Hs.32567:AF073519
  R-MAMMA1002047//Homo sapiens mRNA for chemokine LEC precursor, complete cds//1.9e-37:316:74//Hs. 10458:AF088219
  - R-MAMMA1002056//EST//1.3e-51:310:90//Hs.149580:Al281881
  - R-MAMMA1002058//ESTs//5.9e-16:135:84//Hs.95807;AA146979
- R-MAMMA1002068//ESTs, Weakly similar to HYPOTHETICAL 43.3 KD PROTEIN IN QOXD-VPR INTERGENIC REGION [Bacillus subtilis]//4.0e-45:404:7811Hs/138596:N38806 R-MAMMA1002078//EST//2.2e-15:207:71//Hs.132635:AI032875
  - R-MAMMA1002082//Homo sapiens mRNA for TSC403 protein, complete cds//1.7e-42:314:83//Hs.10887: AB013924
- R-MAMMA1002084//Human mRNA for KIAA0392 gene, partial cds//3.7e-46:308:87//Hs.40100:AB002390 R-MAMMA1002093//EST//0.89:213:60//Hs.151201:AI125907
  - R-MAMMA1002108//ESTs//1.0e-95:515:93//Hs.29002:H11347
  - R-MAMMA1002118
  - R-MAMMA1002125//Thromboxane A2 receptor//7.2e-43:335:83//Hs.89887:D38081
- 40 R-MAMMA1002132//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//1.4e-58:396:78// Hs.129735:AF010144
  - R-MAMMA1002140//Homo sapiens nephrin (NPHS1) mRNA, complete cds//1.4e-37:422:75//Hs.128834: AF035835
  - R-MAMMA1002143//ESTs//0.050:123:69//Hs.8231:AA152276
- R-MAMMA1002145//Homo sapiens KIAA0426 mRNA, complete cds//5.0e-21:371:69//Hs.97476:AB007886 R-MAMMA1002153//ESTs//2.0e-31:159:77//Hs.130815:AA936548 R-MAMMA1002155//Human Line-1 repeat mRNA with 2 open reading frames//8.7e-39:506:69//Hs.23094:M19503 R-MAMMA1002156//Homo sapiens mRNA for putative lipoic acid synthetase, partial//2.9e-44:336:82//Hs.53531: AJ224162
- <sup>50</sup> R-MAMMA1002158//ESTs//3-0e-40:313:83//Hs.118273:AA626040
  - R-MAMMA1002170//Homo sapiens mRNA for TRAF5, complete cds//7.7e-37:370:77//Hs.29736:AB000509 R-MAMMA1002174//ESTs//2.5e-16:186:75//Hs.141203:H52638
  - R-MAMMA1002198//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//6.2e-51:318:82//Hs. 92381:AB007956
- 55 R-MAMMA1002209//ESTs//9.2e-34:111:88//Hs.141575:AA211734
  - R-MAMMA1002215//ESTs//3.6e-101:530:94//Hs.26780:N50038
  - R-MAMMA1002219//Homo sapiens mRNA for KIAA0640 protein, partial cds//5.2e-45:283:88//Hs.153026: AB014540

R-MAMMA1002230//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, complete cds//9.1e-50:330:77//Hs.108966:U48696 R-MAMMA1002236 R-MAMMA1002243 R-MAMMA1002250//Homo sapiens PYRIN (MEFV) mRNA, complete cds//1.2e-44:299:87//Hs.113283:AF018080 5 R-MAMMA1002267//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//1.6e-54:207:81//Hs.92381:AB007956 R-MAMMA1002268//ESTs//2.9e-94:439:100//Hs.68061:AI042283 R-MAMMA1002269//ESTs//7.4e-05:170:65//Hs.140466:AA766772 10 R-MAMMA1002282//ESTs//7.8e-09:69:78//Hs.159502:AA225141 R-MAMMA1002292//ESTs//5.3e-64:334:94//Hs.113606:AI138751 R-MAMMA1002293//ESTs, Moderately similar to plakophilin 2b [H.sapiens]//1.7e-39:203:81//Hs.154257: AI275982 R-MAMMA1002294//EST//8.1e-43:326:82//Hs.149580:AI281881 15 R-MAMMA1002297//ESTs//6.5e-45:323:83//Hs.155475:AA761454 R-MAMMA1002298//ESTs//1.7e-68:355:96//Hs.52683:H87153 R-MAMMA1002299//ESTs, Highly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]// 2.3e-58:346:91//Hs.140385:AA773359 R-MAMMA1002308 20 R-MAMMA1002310//Human melanoma antigen recognized by T-cells (MART-1) mRNA//2.2e-44:280:87//Hs. 154069:U06452 R-MAMMA1002311//Human Line-1 repeat mRNA with 2 open reading frames//2.3e-70:503:81//Hs.23094:M19503 R-MAMMA1002312//EST//1.7e-31:144:80//Hs.135936:N36094 R-MAMMA1002317//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//4.3e-49:457:76//Hs.144563: 25 AF057280 R-MAMMA1002319//ESTs//3.9e-38:297:70//Hs.140326;AA827183 R-MAMMA1002322//ESTs//1.1e-46:301:86//Hs.155498:W27084 R-MAMMA1002329//EST//2.6e-09:146:72//Hs.132366:AI026658 R-MAMMA1002332//Homo sapiens clone 23892 mRNA sequence//2.6e-45:387:70//Hs.91916:AF035317 R-MAMMA1002333//EST//1.8e-09:139:74//Hs.137800:AA886897 30 R-MAMMA1002339//ESTs//4.2e-47:310:76//Hs.138865:W57618 R-MAMMA1002347//ESTS//1.5e-44:326:83//Hs.111723:H57439 R-MAMMA1002351//ESTs//3.0e-112:545:97//Hs.26209:AI143127 R-MAMMA1002352//Homo sapiens mRNA for leukemia associated gene 2//1.5e-58:259:92//Hs.43628:Y15228 35 R-MAMMA1002353//Human mRNA for KIAA0392 gene, partial cds//4.5e-40:360:77//Hs.40100:AB002390 R-MAMMA1002355//ESTs//1.4e-29:307:75//Hs.3769:AI085367 R-MAMMA1002356//Clathrin, light polypeptide (Lcb)//4.9e-31;217:88//Hs.73919;X81637 R-MAMMA1002359//Homo sapiens PYRIN (MEFV) mRNA, complete cds//1.1e-70:483:84//Hs.113283:AF018080 R-MAMMA1002360//ESTs//3.5e-19:301:69//Hs.124701:AA701475 R-MAMMA1002361//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds// 40 2.6e-30:244:81//Hs.129727:AF035587 R-MAMMA1002362//ESTs//2.3e-43:241:88//Hs.150727:AI292236 R-MAMMA1002380//ESTs//5.1e-36:322:79//Hs.136994:AA843542 R-MAMMA1002384//Small inducible cytokine A5 (RANTES)//1.8e-42:298:84//Hs.155464:AF088219 45 R-MAMMA1002385//ESTs//0.57:203:63//Hs.146303:AA579061 R-MAMMA1002392//Human mRNA for platelet-activating factor acetylhydrolase 2, complete cds//5.8e-41:305: 83//Hs.86188:D87845 R-MAMMA1002411//ESTs//4.4e-68:385:92//Hs.53478:N92294 R-MAMMA1002413//Homo sapiens mRNA for small GTP-binding protein, complete cds//3.3e-14:138:75//Hs. 50 115325:D84488 R-MAMMA1002417//ESTs//1.6e-98:475:98//Hs.96345:N22588 R-MAMMA1002427//ESTs//3.1e-39:274:79//Hs.141130:H28477 R-MAMMA1002428//ESTs//8.4e-11:215:66//Hs.141022:H06475

55

R-MAMMA1002434//ESTS, Moderately similar to !!!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]// 2.5e-106:521:98//Hs.112152:AA487348

R-MAMMA1002446//ESTs, Weakly similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//4.7e-37:374:68//Hs.157142:U85996

R-MAMMA1002454//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0485//2.0e-60:323:81//Hs.

```
89121:AB007954
```

R-MAMMA1002461//ESTs//4.7e-111:548:97//Hs.104281:AA147076

R-MAMMA1002470//ESTs, Highly similar to HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION [Saccharomyces cerevisiae]//8.5e-104:544:93//Hs.94570:AI192106

5 R-MAMMA1002475//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.4e-31: 263:79//Hs.38687:AA744496

R-MAMMA10024807/ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.0e-34: 159:79//Hs.133526:N21103

R-MAMMA1002485//Homo sapiens stanniocalcin-2 (STC-2) mRNA, complete cds//8.9e-116:560:97//Hs.155223:

10 AF055460

R-MAMMA1002494//ESTs//3.2e-47:303:88//Hs.155243:N70293

R-MAMMA1002498//Human novel homeobox mRNA for a DNA binding protein//0.0043:331:58//Hs.37035: U07664

R-MAMMA1002524//ESTs//0.0039:354:61//Hs.125797:AA806277

R-MAMMA1002530//Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete cds// 3.9e-103:529:95//Hs.18858:AF065214

R-MAMMA1002545//Homo sapiens mRNA for KIAA0575 protein, complete cds//9.5e-50:317:88//Hs.153468: AB011147

R-MAMMA1002554//ESTs//2.3e-85:445:95//Hs.139140:AA218851

20 R-MAMMA1002556//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.0e-12: 280:65//Hs.12725:T65058

R-MAMMA1002566//ESTs//2.3e-88:421:99//Hs.17602:AA705681

R-MAMMA1002571//ESTs//5.1e-97:456:99//Hs.152834:AA595693

R-MAMMA1002573//ESTs//3.1e-38:258:87//Hs.163989:R74433

<sup>25</sup> R-MAMMA1002585//ESTs//7.8e-96:533:91//Hs.26009:H49371

R-MAMMA1002590//ESTs//0.61:202:62//Hs.161190:Al419258

R-MAMMA1002597//Cytochrome P450, subfamily IIB (phenobarbital-inducible), polypeptide 6//2.9e-21:177:75// Hs.1360:M29874

R-MAMMA1002598//ESTs//3.4e-113:544:97//Hs.20263:AA573737

30 R-MAMMA1002603//Thiopurine S-methyltransferase//7.6e-35:225:80//Hs.51124:AF019369

R-MAMMA1002612//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//4.2e-46:424: 75//Hs.1361:M55053

R-MAMMA1002617//ESTs//1.1e-38:229:92//Hs.96987:W27389

R-MAMMA1002618//Landsteiner-Wiener blood group glycoprotein//1.3e-27:185:73//Hs.108287:L27670

35 R-MAMMA1002619//ESTs//1.7e-95:480:96//Hs.54873:AA526306

R-MAMMA1002622//Thromboxane A2 receptor//3.2e-46:298:87//Hs.89887:D38081

R-MAMMA1002623//EST//4.3e-49:336:85//Hs.149580:AI281881

R-MAMMA1002625//ESTs, Moderately similar to ovarian-specific protein [R.norvegicus]//2.3e-35:308:79//Hs. 93332:AA811920

40 R-MAMMA1002629//Homo sapiens mRNA for small GTP-binding protein, complete cds//9.7e-57:283:86//Hs. 115325:D84488

R-MAMMA1002636//Human mRNA for KIAA0392 gene, partial cds//1.2e-49:303:89//Hs.40100:AB002390

R-MAMMA1002637//ESTs//1.3e-55:391:85//Hs.95074:AI144421

R-MAMMA1002646//ESTs//7.4e-36:182:80//Hs.163937:N69915 R-MAMMA1002650//ESTs//1.6e-102:547:94//Hs.57841:W63776

R-MAMMA1002655

45

R-MAMMA1002662//Homo sapiens KIAA0426 mRNA, complete cds//2.2e-46:462:75//Hs.97476:AB007886

R-MAMMA1002665//Human mRNA for KIAA0118 gene, partial cds//9.1e-51:376:82//Hs.154326:D42087

R-MAMMA1002671//ESTs, Weakly similar to coded for by C. elegans cDNA yk52e10.5 [C.elegans]//5.3e-108:544:

50 96//Hs.16464:W19606

R-MAMMA1002673//EST//3.3e-35:169:79//Hs.140046:AA668213

R-MAMMA1002684//Homo sapiens mRNA for KIAA0214 protein, complete cds//4.6e-109:544:96//Hs.3363: D86987

R-MAMMA1002685//EST//1.9e-31:223:86//Hs.112540:AA601385

<sup>55</sup> R-MAMMA1002698//ESTs//5.9e-43:292:85//Hs.144660:AA652675

R-MAMMA1002699//ESTs//3.2e-25:134:100//Hs.126049:F22510

R-MAMMA1002701//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//6.9e-70: 353:96//Hs.138404:R70986

- R-MAMMA1002708//ESTs//2.1e-76:413:94//Hs.57932:W69234 R-MAMMA1002711//ESTs//1.9e-44:236:96//Hs.138575:H67858 R-MAMMA1002721//Homo sapiens DEC-205 mRNA, complete cds//2.7e-43:273:89//Hs.153563:AF011333 R-MAMMA1002727//ESTs//2.9e-84:395:10011Hs.162826:AA679571 5 R-MAMMA1002728//Small inducible cytokine A5 (RANTES)//3.4e-42:266:88//Hs.155464:AF088219 R-MAMMA1002744//ESTs//4.2e-18:473:63//Hs.42826:AA846757 R-MAMMA1002746//ESTs//1.8e-100:473:99//Hs.117558:AA779907 R-MAMMA1002748//Human melanoma antigen recognized by T-cells (MART-1) mRNA//5.8e-40:330:80//Hs. 154069·U06452 R-MAMMA1002754//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.5e-40: 10 369:77//Hs.105292:AA504776 R-MAMMA1002758 R-MAMMA1002764//ESTs//4.2e-103:486:99//Hs.159909:AI393281 R-MAMMA1002765//ESTs//1.6e-37:338:76//Hs.37573:H59651 15 R-MAMMA1002769//ESTs//0.72:409:57//Hs.141376:Al301272 R-MAMMA1002780//ESTs//1.6e-52:292:92//Hs.135985:AA342750 R-MAMMA1002782//ESTs//1.0e-31:157:80//Hs.159510:AA297145 R-MAMMA1002796//ESTs//3.8e-49:284:92//Hs.156479:AA513812 R-MAMMA1002807//Archain//1.4e-39:315:80//Hs.33642:X81198 20 R-MAMMA1002820//ESTs//5.0e-14:192:74//Hs.134635:AA226260 R-MAMMA1002830//EST//4:0e-50:255:97//Hs.160674:AI248319 R-MAMMA1002833//EST//1.2e-48:306:88//Hs.149580:AI281881 R-MAMMA1002835 R-MAMMA1002838//EST//2.7e-12:161:76//Hs.163252:AA828723 25 R-MAMMA1002842//ESTs//1.7e-41:366:78//Hs.141899:N22395 R-MAMMA1002843//Von Hippel-Lindau syndrome//8.8e-38:258:79//Hs.78160:AF010238 R-MAMMA1002844//ESTs//3.5e-51:250:99//Hs.151445:AA351081 R-MAMMA1002858//H.sapiens ERF-1 mRNA 3' end//9.0e-101:361:91//Hs.85155:X79067 R-MAMMA1002868//ESTs//2.1e-38:301:80//Hs.132717:AA171941 30 R-MAMMA1002871//EST//6.0e-88:413:99//Hs.149057:AI243592 R-MAMMA1002880//ESTs//6.5e-100:506:96//Hs.163533:N52194 R-MAMMA1002881//EST//1.1e-40:335:80//Hs.160895:AI365871 R-MAMMA1002886//Small inducible cytokine A5 (RANTES)//3.4e-36:228:88//Hs.155464:AF088219 R-MAMMA1002887//ESTs//4.7e-87:409:99//Hs.152l55:AA424811 35 R-MAMMA1002890//ESTs, Weakly similar to coded for by C. elegans cDNA CEESB82F [C.elegans]//4.2e-92:438: 99//Hs.155871:AA533783 R-MAMMA1002892//Homo sapiens EVI5 homolog mRNA, complete cds//4.9e-62:322:80//Hs.26929:AF008915 R-MAMMA1002895//ESTs//2.7e-32:330:76//Hs.139132:AA211087 R-MAMMA1002908//Calcium modulating ligand//4.6e-48:313:86//Hs.13572:AF068179 40 R-MAMMA1002909//Human mRNA for KIAA0180 gene, partial cds//3.4e-09:132:76//Hs.90981:D80002 R-MAMMA1002930//EST//4.9e-44:260:91//Hs.149580:AI281881 R-MAMMA1002938 R-MAMMA1002941//Human Line-1 repeat mRNA with 2 open reading frames//1.1e-83:556:85//Hs.23094:M19503 R-MAMMA1002947//ESTs//7.0e-22:222:80//Hs.103395:T79243 45 R-MAMMA1002964//Human mRNA for KIAA0355 gene, complete cds//1.6e-44:427:77//Hs.153014:AB002353 R-MAMMA1002970//Thromboxane A2 receptor//7.9e-48:300:84//Hs.89887:D38081 R-MAMMA1002972//ESTs, Weakly similar to KIAA0371 [H.sapiens]//9.6e-104:525:95//Hs.94396:AA399630 R-MAMMA1002973//ESTs//4.4e-40:257:87//Hs.163580:H15835 R-MAMMA1002982//ESTs//2.5e-28:115:87//Hs.141694:W15279 50 R-MAMMA1002987//Homo sapiens DNA fragmentation factor 40 kDa subunit (DFF40) mRNA, complete cds// 2.1e-41:402:67//Hs.133089:AF064019
- R-MAMMA1003003//Calcium modulating ligand//1.9e-45:380:79//Hs.13572:AF068179 R-MAMMA1003004//ESTs//3.0e-07:378:60//Hs.61885:AI127857

R-MAMMA1003007//ESTs//2.0e-47:404:80//Hs.146314:R99617

F-MAMMA1003011//ESTs, Highly similar to HISTONE MACRO-H2A.1 [Rattus norvegicus]//1.4e-53:320:90//Hs. 92023:AI022248

R-MAMMA1003015//ESTs//1.5e-42:363:79//Hs.155184:AA573189 R-MAMMA1003019//ESTs//4.8e-10:232:66//Hs.111341:AA251268

R-MAMMA1003026//ESTs//2.3e-83:394:99//Hs.24668:AA897315

R-MAMMA1003031//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.5e-27:257:77//Hs.96337:AA225358

R-MAMMA1003035//ESTs//1.3e-94:481:94//Hs.92411:AA603321

<sup>5</sup> R-MAMMA1003039//EST//0.56:210:61//Hs.162248:AA552160

R-MAMMA1003040//ESTs//2.1e-17:261:70//Hs.46980:W55940

R-MAMMA1003044//EST//2.4e-18:124:91//Hs.130321:AI002941

R-MAMMA1003047//ESTs//1.0e-20:209:78//Hs.15916:H12862

R-MAMMA1003049//14-3-3 PROTEIN SIGMA//0.94:184:60//Hs.2510:X57348

<sup>10</sup> R-MAMMA1003055//EST//1.0e-49:281:92//Hs.149580;AI281881

R-MAMMA1003056//ESTs//0.99:107:66//Hs.30348:AI038559

R-MAMMA1003057//ESTs, Highly similar to hypothetical protein MD6 [M.musculus]//1.1e-102:545:93//Hs.13755: AA878911

R-MAMMA1003066//H.sapiens mRNA for urea transporter//8.1e-45:322:83//Hs.66710:X96969

15 R-MAMMA1003089//ESTS, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//1.4e-34:421:70//Hs.161959:AA493652

R-MAMMA1003099//ESTs//1.1e-43:379:79//Hs.37573:H59651

R-MAMMA1003104//ESTs//2.1e-97:498:96//Hs.9299:T51283

R-MAMMA1003113//EST//3.7e-29:457:70//Hs.123616:AA815366

<sup>20</sup> R-MAMMA1003127//ESTs//2.6e-41:283:86//Hs.146811:AA410788

R-MAMMA1003135//ESTs//7.2e-101:504:97//Hs.87729:AA863125

R-MAMMA1003140//ESTs//4.3e-44:200:89//Hs.152093:AI149537

R-MAMMA1003146//Wingless-type MMTV integration site 5A, human homolog//0.020:413:61//Hs.152213: L20861

25 R-nnnnnnnnnn

R-MAMMA1003166//ESTs, Moderately similar to PEANUT PROTEIN [Drosophila melanogaster]//2.0e-87:524:89// Hs.6884:W30736

R-NT2RM2002580//Homo sapiens clone 24781 mRNA sequence//1.6e-111:587:94//Hs.108112:AF070640

R-NT2RM4000024//ESTs//2.9e-98:523:94//Hs.26641:R59312

30 R-NT2RM4000027

R-NT2RM4000030//ESTs//1.6e-96:482:96//Hs.90625:T03663

R-NT2RM4000046//ESTs//1.6e-91:461:97//Hs.151237:AI86169

R-NT2RM4000061//ESTs//4.3e-31:167:97//Hs.110821:Z78379

R-NT2RM4000085//Homo sapiens clone 24700 unknown mRNA, partial cds/4.0e-113:549:97//Hs.95665:

35 AF070639

R-NT2RM4000086//EST//2.7e-17:212:76//Hs.137041:AA877817

R-NT2RM4000104//ESTs//3.0e-85:452:94//Hs.101750:H19708

R-NT2RM4000139//EST//3.3e-05:156:66//Hs.133228:AI052312

R-NT2RM4000155//ESTs, Moderately similar to THREONYL-TRNA SYNTHETASE, CYTOPLASMIC [H.sapiens]

40 //1.9e-99:536:92//Hs.127810:AI246301

R-NT2RM4000156//EST//0.89:169:62//Hs.162967:AA676397

R-nnnnnnnnn//ESTs//1.0:214:61//Hs.119370:W52962

R-NT2RM4000169//ESTs//5.4e-82:440:93//Hs.159379:Al382160

R-NT2RM4000191//ESTs, Weakly similar to P68 PROTEIN [H.sapiens]//4.1e-99:542:93//Hs.6366:AA614113

45 R-NT2RM4000197//ESTs//5.4e-113:567:96//Hs.22975:AA156723

R-NT2RM400019911ESTsI10.020:95:6511Hs.146203:AI254528

R-NT2RM4000200//ESTs//1.4e-100:488:97//Hs.126538:AA931876

R-NT2RM4000202//Small inducible cytokine A5 (RANTES)//4.3e-37:330:77//Hs.155464:AF088219

R-NT2RM4000210//Homo sapiens mRNA for KIAA0712 protein, complete cds//1.7e-103:546:94//Hs.111138:

50 AB018255

R-NT2RM4000215

R-nnnnnnnnn//ESTs//7.1e-92:457:97//Hs.162074:AA477760

R-NT2RM4000233//Fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)//0.00020:174:66//Hs.235:X51602

55 R-NT2RM4000244//ESTs//6.6e-61:320:95//Hs.108646:AA613031

R-NT2RM4000251//Homo sapiens mRNA for TRIP6 (thyroid receptor interacting protein)//0.63:219:62//Hs. 119498:AF000974

R-NT2RM4000265//ESTs//8.8e-105:489:99//Hs.131001:AI378742

R-NT2RM4000290//ESTs//4.0e-87:435:96//Hs.162592:AA594128

R-NT2RM4000324//ESTs//2.2e-80:413:96//Hs.12313:R43673

R-NT2RM4000327//Small inducible cytokine A5 (RANTES)//3.2e-45:286:87//Hs.155464:AF088219

R-NT2RM4000344//Clathrin, light polypeptide (Lcb)//8.6e-60:452:84//Hs.73919:X81637

F-NT2RM4000349//ESTs, Weakly similar to KIAA0005 [H.sapiens]//2.5e-. 117:579:96//Hs.5216:AA534881

R-NT2RM4000354//ESTs//2.1e-85:406:99//Hs.126774:AI224479

R-NT2RM4000356//ESTs//7.9e-109:548:96//Hs.44278:AA418063

R-NT2RM4000366//Homo sapiens mRNA for KIAA0642 protein, partial cds//2.8e-113:577:95//Hs.8152:AB014542 R-NT2RM4000368//ESTs//2.2e-61:310:97//Hs.143611:M78140

R-NT2RM4000386//ESTs, Weakly similar to tenascin-like protein [D.melanogaster]//1.0e-93:521:92//Hs.41793:

R-NT2RM4000395//ESTs, Highly similar to HYPOTHETICAL 52.9 KD PROTEIN IN SAP155-YMR31 INTERGENIC REGION [Saccharomyces cerevisiae]//1.9e-99:524:94//Hs.5249:U55977

R-NT2RM4000414//EST//2.7e-06:196:64//Hs.136648:AA688285

15 R-NT2RM4000421//ESTs, Weakly similar to No definition line found [C.elegans]//5.4e-75:470:90//Hs.69235: AA192359

R-NT2RM4000425//H.sapiens mRNA for MACH-alpha-2 protein//0.17:112:69//Hs.19949:X98173

R-NT2RM4000433//ESTs//2.7e-100:479:98//Hs.24553:AI150687

R-NT2RM4000457//ESTs//5.1e-107:535:95//Hs.7579:AA775865

20 R-NT2RM4000471//ESTs, Highly similar to NIFS-LIKE 54.5 KD PROTEIN [Saccharomyces cerevisiae]//6.0e-99: 492:96//Hs.21090:AA418587

R-NT2RM4000486//ESTs, Moderately similar to unnamed protein product [H.sapiens]//2.2e-102:493:97//Hs. 111279:W84558

R-NT2RM4000496

<sup>25</sup> R-NT2RM4000511//EST//5.1e-43:326:81//Hs.157658:Al358465

R-NT2RM4000514//ESTS//1.7e-112:552:96//Hs.6686:AA205496

R-nnnnnnnnnn//ESTs, Weakly similar to HYPOTHETICAL 85.0 KD PROTEIN IN CPA2-ATP2 INTERGENIC REGION [Saccharomyces cerevisiae]//1.4e-60:343:93//Hs.16014:AA074879

R-NT2RM4000520//ESTs//2.7e-55:266:100//Hs.99838:AA204731

30 R-NT2RM4000531//ESTs//2.0e-88:502:91//Hs.13110:T67461

R-NT2RM4000532//ESTs//0.47:290:58//Hs.148753:T91777

R-NT2RM4000534//EST//0.00025:303:60//Hs.162809:AA632198

R-NT2RM4000585//EST//0.28:63:77//Hs.150024:AI291981

R-NT2RM4000590//ESTs//5.8e-65:320:98//Hs.116017:AA613437

35 R-NT2RM4000595//Homo sapiens KIAA0431 mRNA, partial cds//0.99:189:64//Hs.16349:AB007891

R-NT2RM4000603//ESTs//4.6e-68:356:96//Hs.48855:AA134589

R-nnnnnnnnnn//ESTs//1.5e-89:431:97//Hs.26117:W16697

R-NT2RM4000616//ESTs, Highly similar to ACETYL-COENZYME A SYNTHETASE [Escherichia coli]//1.4e-102: 519:96//Hs.14779:N64822

40 R-NT2RM4000674//ESTs//5.1e-78:398:97//Hs.8268:N70144

R-NT2RM4000689//ESTs, Weakly similar to T01G9.4 [C.elegans]//2.9e-115:550:98//Hs.11820:AA205531

R-NT2RM4000698//ESTs//2.0e-17:130:87//Hs.86420:AA927510

R-nnnnnnnnnnn

R-NT2RM4000712//EST//0.99:103:65//Hs.114039:AA701128

R-NT2RM4000717//ESTs, Highly similar to BONE MORPHOGENETIC PROTEIN 1 PRECURSOR [Mus musculus] //2.2e-103:519:95//Hs.6823:W18181

R-NT2RM4000733//ESTs//8.7e-88:429:98//Hs.72185:AA465311

R-NT2RM4000734//Homo sapiens mRNA for KIAA0760 protein, partial cds//3.6e-105:536:95//Hs.137168: AB018303

50 R-NT2RM40007.41//ESTs//0.99:266:58//Hs.142718:AA034046

R-NT2RM4000751//ESTs//1.6e-20:351:66//Hs.43145:AA776988

R-NT2RM4000764

R-NT2RM4000778//EST//0.066:254:61//Hs.148232:AA904174

R-NT2RM4000779//Homo sapiens mRNA for KIAA0451 protein, complete cds//9.3e-106:546:94//Hs.18586:

55 AB007920

R-NT2RM4000787//Human melanoma antigen recognized by T-cells (MART-1) mRNA//6.5e-40:424:73//Hs. 154069:U06452

R-NT2RM4000790//EST//9.0e-48:259:94//Hs.159694:AI417008

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94//Hs.15744:AI055859 R-NT2RM4001412

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R-NT2RM4000795//Human mRNA for KIAA0067 gene, complete cds//1.0:203:63//Hs.20991:D31891
R-NT2RM4000796//ESTs//7.0e-106:506:98//Hs.43559:AI003520
R-NT2RM4000798//Human polymorphic epithelial mucin core protein mRNA, 3' end//2.5e-28:158:96//Hs.118249:
M21868
R-NT2RM4000813
R-NT2RM4000820//ESTs, Weakly similar to hypothetical protein [H.sapiens]//1.3e-109:539:97//Hs.99636:
R-NT2RM4000833//ESTs, Moderately similar to ZK863.3 [C.elegans]//4.0e-112:448:99//Hs.20223:AA482031
R-NT2RM4000848//ESTs//8.1e-97:476:97//Hs.16036:AA883864
R-NT2RM4000852//ESTs//6.4e-94:467:97//Hs.11556:AI309597
R-NT2RM4000855//ESTs//2.9e-95:544:90//Hs.106525:AI283343
R-nnnnnnnnnnn
R-NT2RM4000895//ESTs, Moderately similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//9.3e-
96:450:99//Hs.142076:AA604514
R-NT2RM4000950//ESTs//2.6e-91:438:98//Hs.43827:AA455262
R-NT2RM4000971//EST//2.9e-96:461:99//Hs.139709;AA227887
R-NT2RM4000979//EST//1.6e-67:329:98//Hs.96927:AA349647
R-NT2RM4000996//ESTs, Weakly similar to ZINC FINGER PROTEIN 91 [H.sapiens]//1.7e-82:414:96//Hs.115342:
AA650126
R-NT2RM4001002//Homo sapiens mRNA for KIAA0729 protein, partial cds//3.8e-114:545:97//Hs.19542:
AB018272
R-NT2RM4001016//Homo sapiens mRNA for KIAA0639 protein, partial cds//2.5e-114:556:97//Hs.15711:
AB014539
R-NT2RM4001032//ESTs//7.8e-17:132:84//Hs.138720:N53352
R-NT2RM4001047//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds//0.42:133:67//Hs.
32170:AB015132
R-NT2RM4001054//ESTs//1.7e-84:404:99//Hs.116407:AA815300
R-nnnnnnnn//ESTs//3.4e-91:439:99//Hs.103177:W72798
R-NT2RM4001092//ESTs//1.4e-86:517:8911Hs.132969:Z78324
R-NT2RM4001116//EST//5.2e-57:275:100//Hs.131115:AI016962
R-NT2RM4001140//ESTs//5.5e-96:461:98//Hs.86965:AA252276
R-NT2RM4001151//ESTs//0.40:263:58//Hs.113189:R08311
R-NT2RM4001155//ESTs//8.3e-105:544:94//Hs.29647:W60848
R-NT2RM4001160//EST//7.6e-25:380:68//Hs.147405:AI209085
R-NT2RM4001187//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//9.2e-
43:273:91//Hs.109005:N31174
R-NT2RM4001191//Cytochrome P450, 51 (lanosterol 14-alpha-demethylase)//3.1e-32:274:70//Hs.2379:U23942
R-NT2RM4001200//ESTs//4.5e-102:494:97//Hs.31844:N32849
R-NT2RM4001203
R-NT2RM4001204//ESTs//9.8e-88:468:93//Hs.4990:T65307
R-NT2RM4001217//ESTs//1.2e-75:396:94//Hs.25042:R72410
R-NT2RM4001256//ESTs//1.0:157:62//Hs.65377:AA994677
R-NT2RM4001258//ESTs//9.6e-41:260:88//Hs.27633:N76184
R-NT2RM4001309
R-NT2RM4001313//EST//0.0022:150:66//Hs.161573:W84857
R-NT2RM4001316//ESTs//3.5e-26:139:99//Hs.23100:AI128899
R-NT2RM4001320//ESTs//1.6e-97:308:99//Hs.112024:AI042352
R-NT2RM4001340//ESTs, Highly similar to UTR4 PROTEIN [Saccharomyces cerevisiae]//1.9e-105:522:97//Hs.
18442:AI129307
R-NT2RM4001344//EST//1.1e-90:436:99//Hs.95900:AA160339
R-NT2RM4001347//EST//0.17:186:61//Hs.16751:T90476
R-NT2RM4001371//EST//0.0069:270:62//Hs.99239:AA450211
R-NT2RM4001382
R-NT2RM4001384//ESTs//9.6e-91:445:98//Hs.55000:AA805507
R-NT2RM4001410//EST//0.13:50:82//Hs.157675:AI358790
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R-NT2RM4001411//ESTs, Weakly similar to lymphocyte specific adaptor protein Lnk [M.musculus]//4.0e-102:539:

R-NT2RM4001414//ESTs//6.5e-35:226:88//Hs.121727:AA775895

R-NT2RM4001437//EST//0.017:169:67//Hs.13207:F10054

R-NT2RM4001444//ESTs, Weakly similar to ISOLEUCYL-TRNA SYNTHETASE, MITOCHONDRIAL [S.cerevisiae]//7.4e-108:544:94//Hs.7558:AA526812

F-NT2RM4001454//ESTs//4.7e-108:517:98//Hs.32295:N32277

R-NT2RM4001455//EST//9.6e-81:395:97//Hs.127978:AA969739

R-NT2RM4001483//Human mRNA for KIAA0033 gene, partial cds//1.8e-58:324:85//Hs.22271:D26067

R-NT2RM4001489//Homo sapiens mRNA for KIAA0685 protein, complete cds//7.0e-104:547:93//Hs.153121: AB014585

10 R-NT2RM4001519//Histatin 1//0.53:340:59//Hs.119101:M26664

R-NT2RM40015227/Small inducible cytokine A5 (RANTES)//8.4e-55:306:80//Hs.155464:AF088219

R-NT2RM40015577/ESTs, Weakly similar to F11A10.4 [C.elegans]//6.1e-21:165:83//Hs.29134:H43072

R-NT2RM4001565//ESTs//2.0e-103:483:99//Hs.121273:AA758027

R-NT2RM4001566//Human DNA sequence from clone 1409 on chromosome Xp11.1-11.4. Contains a Inter-Alpha-

Trypsin Inhibitor Heavy Chain LIKE gene, a alternatively spliced Melanoma-Associated Antigen MAGE LIKE gene and a 6-Phosphofructo-2-kinase (Fructose-2,6-bisphosphatase) LIKE pseudogene. Contains ESTs, STSs and genomic marker DXS8032//2.7e-43:446:72//Hs.4943:Z98046

R-NT2RM4001569//ESTs//3.6e-37:186:100//Hs.86959:AA888009

R-NT2RM4001582//ESTs//1.2e-96:459:98//Hs.114432:N52946

20 R-nnnnnnnnnnn

R-NT2RM4001594//ESTs//1.6e-83:404:98//Hs.134740:AA282171

R-NT2RM4001597//ESTs//6.9e-111:558:96//Hs.11408:Al358871

R-NT2RM4001605//Homo sapiens mRNA for KIAA0791 protein, complete cds//2.1e-112:565:95//Hs.23255: AB018334

<sup>25</sup> R-NT2RM4001611//EST//5.9e-74:353:99//Hs.125318:AA837079

R-NT2RM4001629//ESTs//6.1e-95:453:99//Hs.115765:AA485957

R-NT2RM4001650

R-NT2RM4001662

R-NT2RM4001666//Homo sapiens mRNA for KIAA0469 protein, complete cds//3.6e-36:230:70//Hs.7764:

30 AB007938

R-NT2RM4001682//EST//4.3e-68:393:90//Hs.157362:AI367496

R-NT2RM4001710//ESTs//4.3e-48:235:99//Hs.7299:AA203440

R-NT2RM4001714//ESTs//0.0014:568:58//Hs.50458:AA868686

R-nnnnnnnnn//ESTs//6.5e-104:487:99//Hs.153581:AA630465

35 R-NT2RM4001731//ESTs, Weakly similar to No definition line found [C.elegans]//3.1e-108:563:94//Hs.18510: AA522887

R-NT2RM4001741//T3 receptor-associating cofactor-1 [human, fetal liver, mRNA, 2930 nt]//0.083:124:68//Hs. 120980:S83390

R-NT2RM4001746//ESTs//6.1e-90:420:100//Hs.139003:AA948200

40 R-NT2RM4001754//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//5.4e-59:504:78//Hs.139107:K00629 R-NT2RM4001758//ESTs//8.9e-27:140:100//Hs.149973:Al290740

R-NT2RM4001776//Homo sapiens mRNA for KIAA0727 protein, partial cds//6.4e-24:236:80//Hs.39871:AB018270

R-NT2RM4001783//ESTs//9.9e-30:156:99//Hs.115260:AA314956

R-NT2RM4001810//ESTs//1.3e-65;346:95//Hs.131915:W22567

45 R-NT2RM4001813//ESTs//5.7e-102:473:100//Hs.87574:Al089920

R-NT2RM4001823//ESTs//3.8e-62:324:95//Hs.124109:AA888839

R-NT2RM4001828//ESTs//1.3e-119:563:98//Hs.102397:AA706551

R-NT2RM4001836//ESTs//5.5e-16:92:100//Hs.26996:AA551070

R-NT2RM4001841//ESTs//1.3e-99:540:94//Hs.42322:AA082619

50 R-NT2RM4001842//ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//4.1e-10: 274:62//Hs.161959:AA493652

R-NT2RM4001856//ESTs, Weakly similar to contains similarity to ATP/GTP-binding site motif [C.elegans]//3.0e-43:292:86//Hs.14202:N46000

R-nnnnnnnnn//ESTs//6.2e-104:495:98//Hs.118686:AA682280

55 R-NT2RM40018657/Homo sapiens mRNA for atopy related autoantigen CALC//1.6e-120:592:97//Hs.61628: Y17711

R-NT2RM4001876//ESTs//2.9e-98:532:92//Hs.100734:AA158252

R-NT2RM4001880//ESTs//2.5e-29:224:86//Hs.6193:AA045149

EP 1 074 617 A2 R-NT2RM4001905//ESTs//5.6e-109:565:95//Hs.9536:AA114178 R-NT2RM4001922//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.2e-105; 535:95//Hs.30991:AA994438 R-NT2RM4001930//ESTs//4.1-84:425:96//Hs.80042:N63143 R-NT2RM4001938//EST//0.00040:241:60//Hs.147235:Al205893 R-NT2RM4001940//Homo sapiens timeless homolog mRNA, complete cds//2.0e-110:556:95//Hs.118631; AF098162 R-NT2RM4001953//ESTs//5.3e-65:338:96//Hs.33718:AA453268 R-NT2RM4001965//ESTs, Weakly similar to T14B4.2 gene product [C.elegans]//5.7e-62:326:95//Hs.3385;N25917 R-nnnnnnnnnn//ESTs, Weakly similar to IP63 protein [R.norvegicus]//1.9e-21:121:98//Hs.8772:AA521097 R-NT2RM4001979//ESTs//1.4e-96:465:98//Hs.157103:W60265 R-NT2RM4001984 R-NT2RM4001987 R-NT2RM4002013//EST//2.2e-14:110:90//Hs.160835:AI345528 R-NT2RM4002018 R-NT2RM4002034//Human mRNA for KIAA0118 gene, partial cds//9.4e-46:293:87//Hs.154326:D42087 R-NT2RM4002044//ESTs//2.8e-107:537:96//Hs.24078:W44435 R-NT2RM4002054//ESTs//3.7e-88:482:94//Hs.4243:T78226 R-NT2RM4002062//ESTs//1.4e-55:377:85//Hs.152592:AA587887 R-NT2RM4002063//Calcium modulating ligand//1.8e-43:385:78//Hs.13572:AF068179 R-nnnnnnnnnn//Homo sapiens OPA-containing protein mRNA, complete cds//5.5e-42:554:68//Hs.85313: AF071309 R-NT2RM4002067//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//2.3e-43:468:73//Hs.139107:K00629 R-NT2RM4002073//ESTs, Weakly similar to very-long-chain acyl-CoA synthetase [H.sapiens]//6.8e-57:290;96// Hs.109274:AA193416 R-NT2RM4002075//ESTs//0.078;267;61//Hs.163563;AA641655 R-NT2RM4002093//ESTs//1.2e-64:316:99//Hs.34956:AI052528 R-nnnnnnnnn//ESTs//1.0:95:69//Hs.25897:W65409 R-NT2RM4002128//Homo sapiens mRNA for BCL9 gene//0.51:258:60//Hs.122607:Y13620 R-NT2RM4002140//ESTs//5.5e-46:187:94//Hs.8737:W22712 R-NT2RM4002145//ESTs//4.6e-70:374:94//Hs.141082:H18987 R-NT2RM4002146//ESTs//1.9e-93:43 9:99//Hs.119295:AA442090 R-NT2RM4002161//Homo sapiens laforin (EPM2A) mRNA, partial cds//1.5e-111:560:96//Hs.22464:AF084535 R-NT2RM4002174//Homo sapiens LIM protein mRNA, complete cds//3.2e-46:552:72//Hs.154103:AF061258 R-NT2RM4002189//ESTs//9.6e-75:352:100//Hs.98350:H15400 R-NT2RM4002194//EST//0.22:68:72//Hs.149104:AI244343 R-NT2RM4002205//EST//0.00028:103:72//Hs.130032:AA897678 R-NT2RM4002213//ESTs//3.3e-15:160:78//Hs.63304:W22079 R-NT2RM4002226//ESTs, Highly similar to GTPASE ACTIVATING PROTEIN ROTUND [Drosophila melanogaster] //5.1e-112:569:95//Hs.23900:U82984 R-NT2RM4002251//ESTs, Weakly similar to similar to alpha-1,3-mannosyl-glycoprotein beta-1, 2-N-acetylglucosaminyltransferase [C.elegans]//1.1e-100:544:93//Hs.27567:W72190 R-NT2RM4002256//Small inducible cytokine A5 (RANTES)//1.0e-44:341;81//Hs.155464:AF088219 R-NT2RM4002266//ESTs//2.6e-100:539:93//Hs.57976:AA535864 R-NT2RM4002278//ESTs//1.8e-112:569:95//Hs.87281:AA128263 R-NT2RM4002281//ESTs//4.9e-20:187:80//Hs.141203:H52638 R-NT2RM4002287//ESTs//7.9e-84:388:94//Hs.33977:N52461 R-NT2RM4002294 R-NT2RM4002301//ESTs//4.5e-111:556:96//Hs.85916:AA194164 R-NT2RM4002323//ESTs//4.5e-102:498:97//Hs.85782:AA191498 R-nnnnnnnnn//ESTs//5.0e-59:283:100//Hs.125048:AA682913 R-NT2RM4002344//V-akt murine thymoma viral oncogene homolog 2//0.29:153:66//Hs.155129:M77198 R-NT2RM4002373//Homo sapiens mRNA for KIAA0649 protein, complete cds//2.8e-122:593:97//Hs.26163: AB014549

55 R-NT2RM4002374//ESTs//3.3e-40:505:70//Hs.95115:AA206594 R-NT2RM4002383//ESTs//2.7e-93:455:97//Hs.134278:AA648884

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R-NT2RM4002390//ESTs//3.3e-93:481:95//Hs.48764:AA613328

R-NT2RM4002409//ESTs, Weakly similar to coded for by C. elegans cDNA yk52e10.5 [C.elegans]//1.3e-97;473;

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EP 1 074 617 A2
98//Hs.16464:W19606
R-NT2RM4002438//ESTs//0.74:162:61//Hs.65377:AA994677
R-NT2RM4002446
R-NT2RM4002452//EST//1.0:164:60//Hs.1166I9:AA668142
R-NT2RM4002457
R-NT2RM4002460//ESTs//3.0e-74:385:96//Hs.6933:R07890
R-NT2RM4002479//Homo sapiens RNA helicase-related protein mRNA, complete cds//1.6e-103:507:97//Hs.
8765:AF083255
R-NT2RM4002482//Homo sapiens mRNA for KIAA0691 protein, complete cds//2.3e-32:172:98//Hs.94781:
AB014591
R-NT2RM4002493//ESTs//6.4e-73:366:97//Hs.157114:T58884
R-NT2RM4002499//ESTs//3.5e-61:307:97//Hs.117737:AI088029
R-NT2RM4002504//ESTs//2.1e-55:306:94//Hs.10949:AA464464
R-nnnnnnnnn//ESTs, Weakly similar to peroxisome targeting signal 2 receptor [H.sapiens]//1.4e-73:360:91//
Hs.31030:H50467
R-NT2RM4002532//ESTs//1.3e-21:191:78//Hs.146811:AA410788
R-NT2RM4002534//ESTs//1.8e-99:512:95//Hs.13526:AI417057
R-NT2RM4002567//ESTs//7.6e-41:272:87//Hs.7114:R24312
R-NT2RM4002571//ESTs, Highly similar to POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE [Bos
taurus]//2.3e-89:435:97//Hs.15830:AA165698
R-NT2RM4002593//ESTs//2.3e-109:552:96//Hs.17424:AA190569
R-NT2RM4002623//ESTs, Weakly similar to ASPARTYL-TRNA SYNTHETASE [Thermus aquaticus thermophilus]
//9.6e-28:194:87//Hs.59346:AI126802
R-NT2RP2000001//ESTs//2.6e-80:386:99//Hs.105061:N45096
R-NT2RP2000006//Thromboxane A2 receptor//7.2e-37:253:84//Hs.89887:D38081
R-NT2RP2000008//Zinc finger protein 37a (KOX 21)//5.2e-25:366:67//Hs.54488:X69115
R-NT2RP2000027//ESTs//9.5e-74:377:96//Hs.96557:AA286713
R-NT2RP2000040//Homo sapiens mRNA for KIAA0747 protein, partial cds//2.7e-42:223:96//Hs.8309:AB018290
R-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds//
4.3e-64:309:98//Hs.6216:AF061749
R-NT2RP2000054//EST//1.2e-71:375:96//Hs.98835:AA435798
R-NT2RP2000056//EST//2.8e-28:342:69//Hs.135526:AI094910
R-NT2RP2000067//ESTs, Weakly similar to tenascin-like protein [D.melanogaster]//2.3e-35:199:94//Hs.41793:
AA775879
R-NT2RP2000070//ESTs, Weakly similar to proto-cadherin 3 [R.norvegicus]//1.4e-78:383:98//Hs.58254:W72881
R-NT2RP2000076//EST//0.0014:227:63//Hs.136761:AA738097
R-NT2RP2000077//Homo sapiens growth arrest specific 11 (GAS11) mRNA, complete cds//1.1e-78:379:97//Hs.
54877:AF050078
R-NT2RP2000079//Homo sapiens RET finger protein-like 1 antisense transcript, partial//2.9e-21:232;75//Hs.
102576:AJ010230
R-NT2RP2000088//Homo sapiens mRNA for KIAA0795 protein, partial cds//1.8e-75:378:96//Hs.22926:AB018338
R-NT2RP2000091//Carcinoembryonic antigen gene family member 6//0.030:236:63//Hs.41:D90064
R-NT2RP2000097//ESTs//4.2e-15:92:97//Hs.7432:AA281757
R-NT2RP2000098//ESTs//9.0e-53:279:94//Hs.87807:AA813827
R-NT2RP2000108//EST//1.5e-75:378:96//Hs.162105:AA524419
R-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds//5.8e-76:386:95//Hs.17706:AB018356
R-NT2RP2000120//ESTs, Weakly similar to HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III
[C.elegans]//1.9e-19:153:86//Hs.5268:W22670
R-nnnnnnnn//ESTs//1.0e-55:293:95//Hs.14570:Al422099
R-nnnnnnnnn//ESTs//0.24:354:59//Hs.157564:Al356513
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R-NT2RP2000157//ESTs//1.1e-53:322:91//Hs.6877:AA040820
R-NT2RP2000161//EST5//1.6e-99:492:97//Hs.21738:AI188190
R-NT2RP2000175//ESTs//1.4e-98:489:96//Hs.4849:AI143741
R-NT2RP2000183//ESTs//9.0e-72:358:96//Hs.4856:N51373
R-NT2RP2000195//ESTs//3.9e-92:439:98//Hs.145091:AA814510

R-NT2RP2000153//EST//0.0039:93:68//Hs.140386:AA773548

89:457:95//Hs.3832:AI208601

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R-NT2RP2000147//ESTs, Highly similar to CLATHRIN COAT ASSEMBLY PROTEIN AP47 [Mus musculus]//3.0e-

R-NT2RP2000205//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.4e-80:415:95//Hs.11807:T86897

R-NT2RP2000224//RNA polymerase II, polypeptide C (33kD)//1.1e-57:306:94//Hs.79402:AC004382 R-NT2RP2000232

R-NT2RP2000233//ESTs//1.1e-08:63:96//Hs.124861:AI090683

R-NT2RP2000239//ESTs//5.3e-87:427:96//Hs.86211:AA604379

R-NT2RP2000248//ESTs, Weakly similar to O-linked GlcNAc transferase [H.sapiens]//1.3e-95:454:99//Hs. 102057:AA649005

R-NT2RP2000257//ESTs//5.1e-58:282:99//Hs.122565:AI126840

10 R-NT2RP2000258//EST//1.0:67:68//Hs.61812:AA035649

> R-NT2RP2000270//ESTs, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]// 8.4e-59:298:96//Hs.16085:AI261382

R-NT2RP2000274//ESTs//7.5e-61:296:98//Hs.86081:AA196635

R-NT2RP2000288//ESTs//1.8e-56:305:93//Hs.7579;AA775865

15 R-NT2RP2000289

> R-NT2RP2000297//ESTs, Highly similar to MKR2 PROTEIN [Mus musculus]//9.8e-106:494:99//Hs.102951: AA574249

R-NT2RP2000298//ESTs//2.1e-62:256:90//Hs.8737:W22712

R-NT2RP2000310//Human proline dehydrogenase/proline oxidase (PRODH) mRNA, complete cds//2.8e-39:222:

20 93//Hs.58218:U82381

> R-NT2RP2000327//Homo sapiens DNA sequence from PAC 434014 on chromosome 1g32.3.-41. Contains the HSD11B1 gene for Hydroxysteroid (11-beta) Dehydrogenase 1, the ADORA2BP adenosine A2b receptor LIKE pseudogene, the IRF6 gene for Interferon Regulatory Factor 6 and two unknown genes. Contains ESTs and GSSs// 2.9e-71:342:98//Hs.87684:AL022398

R-NT2RP2000329//ESTs, Highly similar to GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL [Bos taurus] 25 //3.4e-69:371:94//Hs.43436:N32441

R-NT2RP2000337//ESTs//5.2e-79:411:95//Hs.101799:AI276062

R-NT2RP2000346//Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds//1.1e-47:262: 94//Hs.76556:U83981

30 R-NT2RP2000369//ESTs//4.3e-102:531:94//Hs.15855:H98103

> R-NT2RP2000414//Homo sapiens HnRNP F protein mRNA, complete cds//8.4e-09:93:83//Hs.808:L28010 R-NT2RP2000420//ESTs//8.2e-24:142:94//Hs.144893;AI222324

R-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds//4.2e-20:140: 90//Hs.5819:AF102265

35 R-NT2RP2000438//ESTs, Weakly similar to misato [D.melanogaster]//1.3e-65:362:93//Hs.22197:AI151425 R-NT2RP2000448//ESTs, Highly similar to HYPOTHETICAL 51.6 KD PROTEIN IN PAP1-MRPL13 INTERGENIC REGION [Saccharomyces cerevisiae]//3.6e-75:435:92//Hs.21938:W81045 R-NT2RP2000459//ESTs//2.8e-95:527:93//Hs.103422:AI352013

R-NT2RP2000498//ESTs//2.3e-17:119:79//Hs.161714·AA229078 R-NT2RP2000503//ESTs//5.2e-91:438:98//Hs.152335:AI290215

R-NT2RP2000510//Homo sapiens KIAA0436 mRNA, partial cds//0.13:455:58//Hs.110:AB007896

R-nnnnnnnn//ESTs//9.9e-63:376:89//Hs.47546:AA181348

R-NT2RP2000523

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R-NT2RP2000603//Homo sapiens mRNA for KIAA0572 protein, partial cds//3.5e-30:167:97//Hs.14409:AB011144

45 R-NT2RP2000617//ESTs//9.5e-103:493:98//Hs.9412:W72446

R-NT2RP2000634//Homo sapiens mRNA for KIAA0614 protein, partial cds//8.1e-66:335:96//Hs.7314:AB014514

R-NT2RP2000644//ESTs//1.1e-18:372:63//Hs.82419:AA789222

R-NT2RP2000656//ESTs//1.0e-10:128:80//Hs.23977:AA115275

R-NT2RP2000658//ESTs//0.31:278:59//Hs.15661:W02396

50 R-NT2RP2000668//ESTs//8.2e-40:255:88//Hs.113310:R16767

R-NT2RP2000678//ESTs//2.6e-53:271:9611Hs.23790:N99347

R-NT2RP2000710//ESTs//0.49:190:63//Hs.145521:Al261368

R-NT2RP2000715//EST//1.2e-87:418:9911Hs.139425:AA429279

R-NT2RP2000731//EST//5.3e-65:322:97//Hs.136754:AA713965

R-NT2RP2000758//ESTS//1.0:187:61//Hs.10545:N62642 55

R-NT2RP2000764//ESTs//5.8e-84:485:91//Hs.121816:AA775419

R-NT2RP2000809

R-NT2RP2000812//ESTs//1.2e-45:231:97//Hs.121028:AA902745

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R-nnnnnnnnn//ESTs//6.3e-87:433:97//Hs.145479:AA969404
         R-NT2RP2000816//ESTS//0.45:100:69//Hs.147529:AA458918
         R-NT2RP2000819
         R-NT2RP2000841//ESTs//1.9e-73:351:99//Hs.116385:AI224511
         R-NT2RP2000842//TUMOR NECROSIS FACTOR-INDUCIBLE PROTEIN TSG-6
         PRECURSOR//4.6e-10:247:66//Hs.29352:M31165
         R-NT2RP2000845//ESTs//2.8e-91:443:97//Hs.66810:Al206552
         R-NT2RP2000863//ESTs//4.3e-49:310:88//Hs.104336:W07345
         R-NT2RP2000880//Homo sapiens mRNA for KIAA0741 protein, complete cds//2.8e-43:277:89//Hs.3615:
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         AB018284
         R-NT2RP2000892//ESTs//2.8e-50:25 8:96//Hs.119238:AA476267
         R-NT2RP2000931//MATRIN 3//7.2e-57:290:96//Hs.78825:AB018266
         R-NT2RP2000938//ESTs, Highly similar to HYPOTHETICAL 6.3 KD PROTEIN ZK652.2 IN CHROMOSOME III
         [Caenorhabditis elegans]//3.9e-37:199:95//Hs.112318:AA186477
15
         R-NT2RP2000943//Homo sapiens mRNA for KIAA0755 protein, complete cds//9.8e-98:494:96//Hs.19822:
         AB018298
         R-NT2RP2000965//EST//0.22:223:60//Hs.105703:AA487021
         R-NT2RP2000970//EST//8-7e-06:255:62//Hs.149202:AI246481
         R-NT2RP2000985//ESTs, Weakly similar to HYPOTHETICAL 96.8 KD PROTEIN IN SIS2-MTD1 INTERGENIC
20
         REGION [S.cerevisiae]//7.8e-92:468:95//Hs.12124:AA522537
         R-NT2RP2000987//ESTs//4.5e-78:419:93//Hs.21968:H97521
         R-NT2RP2001036//EST//2.0e-33:148:82//Hs.163196:AA767643
         R-NT2RP2001044//ESTs//5.6e-95:493:95//Hs.21958:AA453660
         R-NT2RP2001065//ESTs//3.6e-28:153:96//Hs.119314:AA432108
25
        R-NT2RP2001070//EST//0.30:94:67//Hs.94289:N73665
        R-NT2RP2001094//EST//0.75:101:69//Hs.161040:H82068
        R-NT2RP2001119
        R-NT2RP2001127//Homa sapiens mRNA for HRIHFB2060, partial cds//1.5e-56:304:94//Hs.146282:AB015348
        R-NT2RP2001137
30
        R-NT2RP2001149//ESTs//5.1e-66:324:9711Hs.27475:AA704512
        R-NT2RP2001168//ESTs//2.0e-98:539:92//Hs.77870:AI188145
        R-NT2RP2001173//Homo sapiens mRNA for KIAA0480 protein, complete cds//1.5e-96:490:96//Hs.26247:
        AB007949
        R-NT2RP2001174//ESTs//2.2e-63:354:93//Hs.24266:R28287
35
        R-NT2RP2001196//ESTs//1.4e-83:463:93//Hs.124304:AA825510
        R-NT2RP2001218//ESTs//1.4e-100:506:96//Hs.93391:AI188402
        R-NT2RP2001226//EST//0.0074:154:63//Hs.128612:AA909358
        R-NT2RP2001233/TESTs, Highly similar to ZINC FINGER PROTEIN ZFP-36 [Homo sapiens]//3.7e-65:538:80//
        Hs.44014:AA632298
40
        R-NT2RP2001245//ESTs//5.2e-90:447:97//Hs.14559:H92996
        R-NT2RP2001268//Homo sapiens mRNA for KIAA0810 protein, partial cds//1.5e-112:544:97//Hs.7531:AB018353
        R-NT2RP2001277//ESTs//2.0e-81:387:99//Hs.13751:AA908229
        R-NT2RP2001290//ESTs//2.4e-91:501:92//Hs.12600:AA044775
        R-NT2RP2001295//ESTs//1.4e-70:337:99//Hs.123854:AA412665
45
        R-NT2RP2001312//ESTs//4.6e-53:276:95//Hs.7961:AA401205
        R-NT2RP2001327//ESTs, Moderately similar to tumor necrosis factor-alpha-induced protein B12 [H.sapiens]//
        2.3e-43:238:93//Hs.106632:N25679
        R-NT2RP2001328//ESTs//5.1e-99:499:96//Hs.34868:Al341138
        R-NT2RP2001347//ESTs//6.7e-05:100:77//Hs.9536:AA114178
50
        R-NT2RP2001378//ESTs//4.2e-83:456:93//Hs.10554:N50028
        R-NT2RP2001381//ESTs//1.1e-26:148:96//Hs.161859:AA444038
        R-NT2RP2001392//ESTs, Weakly similar to MITOCHONDRIAL LON PROTEASE HOMOLOG PRECURSOR (H.
        sapiens]//3.9e-74:411:93//Hs.47305:AA195153
        R-NT2RP2001394//ESTs//9.5e-54:305:93//Hs.70256:R07875
55
        R-NT2RP2001397//ESTs, Highly similar to G2/MITOTIC-SPECIFIC CYCLIN B2 [Mesocricetus auratus]//5.2e-97:
        469:97//Hs.20483:AA522505
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R-NT2RP2001420//ESTs//1.6e-49:228:88//Hs.163602:N32030 R-NT2RP2001423//ESTs//2.0e-37:190:99//Hs.101565:R35431

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R-NT2RP2001427//EST//1.7e-1 1:107:84//Hs.148584:AI201728
         R-NT2RP2001436//ESTs, Weakly similar to F02D8.3 [C.elegans]//2.9e-114:558:97//Hs.7627:Al341556
         R-NT2RP2001440//EST//0.17:192:58//Hs.133442:Al061394
         R-NT2RP2001445//ESTs//1.1e-43:215:100//Hs.145497:AA501453
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         R-NT2RP2001449//ESTs//4.1e-08:234:61//Hs.134067:AI076765
         R-NT2RP2001450//ESTs//9.5e-65:356:94//Hs.61829:AI079539
         R-NT2RP2001467//Small inducible cytokine A5 (RANTES)//1.2e-34:255:83//Hs.155464:AF088219
         R-NT2RP2001506//ESTs//2.9e-23:170:88//Hs.7147:T23513
         R-NT2RP2001511//ESTs//2.0e-08:59:100//Hs.57660:AA251146
10
         R-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1//6.7e-106:545:95//Hs.4277:
         Y14494
         R-NT2RP2001526//ESTs//3.7e-23:295:72//Hs.8514:AF039240
         R-NT2RP2001536//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds//
         1.9e-15:99:95//Hs.99742:AF035586
15
         R-NT2RP2001560//ESTs//2.2e-58:310:94//Hs.87454:AA732816
         R-NT2RP2001569//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//2.0e-76:387:96//Hs.
         67619:AB007957
         R-NT2RP2001576//Human mRNA for KIAA0105 gene, complete cds//0.17:193:60//Hs.119:D14661
         R-NT2RP2001581//ESTs//5.1e-08:107:78//Hs.157114:T58884
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         R-NT2RP2001597//EST//5.2e-22:151:88//Hs.158613:Al369995
         R-NT2RP2001601//ESTs//1.5e-78:373:99//Hs.137558:Al393767
         R-NT2RP2001613
         R-NT2RP2001628//EST//0.99:195:60//Hs.144238:W52294
         R-NT2RP2001663//ESTs//4.0e-37:282:84//Hs.12319:W56090
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         R-NT2RP2001677//ESTs//1.4e-44:232:96//Hs.159387:Al370845
         R-NT2RP2001678//ESTs//0.91:124:60//Hs.10593:AI201336
         R-NT2RP2001699//EST//0.0033:230:61//Hs.146544:AI125323
         R-NT2RP2001720//ESTs//1.8e-52:255:99//Hs.101064:AA290579
         R-NT2RP2001721//ESTs//7.0e-101:479:99//Hs.129750:AA987538
30
         R-NT2RP2001740//ESTs//3.3e-76:379:96//Hs.144704:AI147100
         R-NT2RP2001748//ESTs//1.4e-44:352:81//Hs.142259:AA828840
         R-NT2RP2001762//Homo sapiens exonuclease 1a (EXO1a) mRNA, complete cds//2.1e-105:519:96//Hs.47504:
         AF091754
         R-NT2RP2001813//ESTs//6.3e-78:406:95//Hs.21902:R44037
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         R-NT2RP2001861
         R-NT2RP2001869//EST//2.8e-21:173:82//Hs.130321:AI002941
         R-NT2RP2001876//ESTs//6.1e-102:526:95//Hs.4944:AA533088
         R-NT2RP2001883//ESTs, Weakly similar to No definition line found [C.elegans]//6.9e-110:556:95//Hs.23159:
         AA113849
         R-NT2RP2001900//ESTs//6.9e-85:442:95//Hs.154220:AA171724
40
         R-NT2RP2001907//ESTs//2.1e-82:432:94//Hs.142257:AA188423
         R-NT2RP2001926//EST//2.3e-24:299:71//Hs.135085:AI097268
         R-NT2RP2001936//ESTs//1.1e-45:265:92//Hs.112482:T66087
         R-NT2RP2001943//EST//1.4e-05:246:61//Hs.144096;Al032180
45
         R-NT2RP2001946//ESTs//3.6e-87:410:99//Hs.20242:W72594
         R-NT2RP2001947//ESTs//1.9e-55:338:88//Hs.58582:T72588
        R-NT2RP2001969
        R-NT2RP2001976//ESTs//1.2e-98:499:95//Hs.121028:AA902745
         R-NT2RP2001985//ESTs, Weakly similar to GTPASE-ACTIVATING PROTEIN SPA-1 [M.musculus]//8.3e-15:118:
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        89//Hs.18760:AA166678
        R-NT2RP2002025//ESTs//2.1e-82:393:98//Hs.159488:Al378233
        R-NT2RP2002032//ESTs//4.4e-98:531:91//Hs.93836:AA813332
        R-NT2RP2002033//ESTs//3.5e-43:229:96//Hs.30563:AA102627
        R-NT2RP2002041
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        R-NT2RP2002046//ESTs//1.6e-101:476:99//Hs.101107:AA825938
        R-NT2RP2002047//ESTs//9.1e-85:431:95//Hs.116750:AA629895
        R-NT2RP2002058//ESTs//1.3e-31:163:99//Hs.33085:AA258068
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R-NT2RP2002066//ESTS//1.9e-87:459:93//Hs.118871;AA846091

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R-NT2RP2002070//ESTs//4.1e-63:332:96//Hs.156446:T92265
         R-NT2RP2002076//Homo sapiens clone 24804 mRNA sequence//1.7e-26:178:87//Hs.11039:AF052183
         R-NT2RP2002079//ESTs//1.2e-79:389:97//Hs.135214:AI350524
         R-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein//1.5e-60:376:89//Hs.155218:
 5
         A.1007509
         R-NT2RP2002105//ESTs//8.4e-54:313:90//Hs.98702:AI123000
         R-NT2RP2002124//ESTs//6.6e-81:431:93//Hs.127326:AA525134
         R-NT2RP2002137//Deoxycytidine kinase//0.29:183:62//Hs.709:M60527
         R-NT2RP2002154//ESTs//9.6e-97:539:91//Hs.18624:AA523268
10
         R-NT2RP2002172//EST//0.69:53:75//Hs.156238:Al334495
         R-NT2RP2002185//ESTs, Weakly similar to F15C11.2 [C.elegans]//1.4e-54:269:98//Hs.107201:W52859
         R-NT2RP2002192//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.9e-
         15:245:71//Hs.87578:AI125363
         R-NT2RP2002193//ESTs//3.5e-79:45 3:90//Hs.76578:AI290672
15
         R-NT2RP2002208//ESTs//2.0e-72:347:99//Hs.164028:AI003946
         R-NT2RP2002219//EST//0.039:229:63//Hs.149830:AI287499
         R-NT2RP2002231//ESTs//3.3e-64:337:94//Hs.79828;AA642341
         R-nnnnnnnnnn//ESTs, Highly similar to co-repressor protein [M.musculus]//5.4e-48:238:99//Hs.22583:
         AA188168
20
         R-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds//1.6e-15:131:83//Hs.150595:
         AF005418
         R-NT2RP2002259//Human L-myc protein gene, complete cds//5.3e-99:548:91//Hs.92137:M19720
         R-NT2RP2002270//ESTs, Weakly similar to AF-9 PROTEIN [H.sapiens]//4.8e-100:550:91//Hs.4029:Z78373
         R-NT2RP2002292//ESTs, Weakly similar to F13B12.1 [C.elegans]//3.2e-92:482:93//Hs.5570:Al377863
25
         R-NT2RP2002312//Homo sapiens CDP-diacylglycerol synthase 2 (CDS2) mRNA, partial cds//4.1e-103:527:94//
         Hs.24812:AF069532
         R-NT2RP2002316//ESTs//4.2e-91:425:100//Hs.3350:Al368015
         R-NT2RP2002325//Homo sapiens peroxisomal biogenesis factor (PEX11a) mRNA, complete cds//1.2e-112:567:
         95//Hs.31034:AB015594
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         R-NT2RP2002333//ESTs//1.9e-86:483:91//Hs.155198:AA767372
         R-NT2RP2002385//Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds//1.2e-103:600:
         89//Hs.109051:AF038958
         R-NT2RP2002394//ESTS//0.11:158:65//Hs.28792;Al343467
         R-NT2RP2002408//ESTs//1.5e-51:278:93//Hs.6044:W22815
35
         R-NT2RP2002426//Homo sapiens mRNA for KIAA0563 protein, complete cds//1.7e-33:285:80//Hs.15731:
         R-NT2RP2002439//ESTS//3.2e-12:134:76//Hs.32246:AA464020
         R-NT2RP2002457//ESTs//4.7e-52:282:94//Hs.21968:H97521
         R-NT2RP2002464//ESTs//5.3e-27:148:98//Hs.115660:AI362230
         R-NT2RP2002475//ESTs//3.9e-85:439:94//Hs.9873:W27233
40
         R-nnnnnnnnnn//Homo sapiens mRNA for ABC transporter 7 protein, complete cds//9.9e-115:605:92//Hs.
         125856:AB005289
         R-NT2RP2002498//ESTs//6.3e-37:227:93//Hs.108779:N73180
         R-NT2RP2002503//ESTs//1.9e-54:358:86//Hs.57800:W60838
45
         R-NT2RP2002504//Homo sapiens mRNA for KIAA0791 protein, complete cds//8.5e-107:583:91//Hs.23255:
         AB018334
         R-NT2RP2002520//ESTs//4.2e-99:509:94//Hs.32368:AA205305
         R-NT2RP2002537//ESTs//4.2e-105:552:93//Hs.154363:AA533090
         R-NT2RP2002546//Homo sapiens clone TUA8 Cri-du-chat region mRNA//2.6e-109:570:93//Hs.49476:AF009314
50
         R-NT2RP2002549//DNA polymerase gamma//1.1e-35:189:86//Hs.80961:U60325
         R-NT2RP2002591//ESTs, Weakly similar to ZINC FINGER PROTEIN 84 [H.sapiens]//7.5e-118:564:97//Hs.94549:
         R-NT2RP2002595//EST//1.4e-15:101:95//Hs.129528:AA994783
         R-NT2RP2002606//ESTs//4.5e-99:475:98//Hs.45046:N40170
55
         R-NT2RP2002609//ESTs//1.9e-104:568:92//Hs.9175:AI184220
         R-NT2RP2002618//ESTs//0.014:493:57//Hs.96322:AA541615
```

R-NT2RP2002621//EST//4.4e-36:252:84//Hs.149580:Al281881 R-NT2RP2002643//ESTs//6.9e-32:247:74//Hs.33354:AA179944

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R-NT2RP2002672
         R-NT2RP2002701//N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB//0.99:184:63//Hs.50727:U43572
         R-NT2RP2002706//EST//2.8e-41:148:86//Hs.161917:AA483223
         R-NT2RP2002710//EST//0.34:105:71//Hs.136747:AA749210
5
         R-NT2RP2002727//ESTs//8.7e-68:368:94//Hs.14366:T78626
         R-NT2RP2002736//ESTs//9.7e-98:457:99//Hs.74899:AA993300
         R-NT2RP2002740//Homo sapiens mRNA for KIAA0536 protein, partial cds//0.66:360:59//Hs.119139:AB011108
         R-NT2RP2002741//ESTs//3.1e-102:489:98//Hs.112024:AI042352
         R-NT2RP2002750//EST//3.6e-43:166:86//Hs.162404:AA573131
10
         R-NT2RP2002752//ESTs//5.0e-56:355:89//Hs.95867:M62042
         R-NT2RP2002753//ESTs//1.7e-49:262:96//Hs.49005:W89124
         R-NT2RP2002769//ESTs//1.3e-59:376:88//Hs.4046:H03587
         R-NT2RP2002778//Homo sapiens clone 24606 mRNA sequence//4.0e-65:341:94//Hs.17481:AF070537
         R-NT2RP2002800//ESTs//6.5e-08:79:84//Hs.153262:AA551124
15
         R-NT2RP2002839//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.6e-
         100:501:97//Hs.136202:AA206578
         R-NT2RP2002857//ESTs//4.3e-94:463:97//Hs.134292:AA603031
         R-NT2RP2002862//ESTs//2.3e-42:302:82//Hs.117969:H94870
         R-NT2RP2002880
20
         R-NT2RP2002891
         R-NT2RP2002925//ESTs//1.3e-103:564:92//Hs.142079:AA182894
         R-NT2RP2002928//ESTs//3.9e-108:502:99//Hs.29105:AA574143
         R-NT2RP2002929//ESTs//4.1e-106:499:99//Hs.44743:AA837096
         R-NT2RP2002954//ESTs//2.6e-88:417:99//Hs.100824:AI308771
25
         R-NT2RP2002959//ESTs//7.5e-101:489:97//Hs.32690:N57480
         R-NT2RP2002979//ESTs//5.4e-06:197:65//Hs.146726:AI147060
         R-NT2RP2002980//ESTs//1.0e-110:562:96//Hs.28444:AA083213
         R-NT2RP2002986//ESTs, Highly similar to RING CANAL PROTEIN [Drosophila melanogaster]//3.1e-119:578:97//
         Hs.106290:AI125291
30
         R-NT2RP2002987//Human mRNA for KIAA0331 gene, complete cds//1.0:78:74//Hs.146395:AB002329
         R-NT2RP2002993//ESTS, Weakly similar to DNA-DIRECTED RNA POLYMERASE II 140 KD POLYPEPTIDE [H.
         sapiens]//2.4e-98:467:98//Hs.86337:AA149311
         R-NT2RP2003000//ESTs//0.0070:400:61//Hs.138506:U85642
         R-NT2RP2003034//ESTs//9.3e-87:408:96//Hs.164042:H12594
         R-NT2RP2003073//Human transporter protein (g17) mRNA, complete cds//0.95:259:61//Hs.76460:U49082
35
         R-NT2RP2003099//Thromboxane A2 receptor//2.6e-42:328:81//Hs.89887:D38081
         R-NT2RP2003108//ESTs//2.3e-82:398:98//Hs.5105:AA115512
         R-NT2RP2003117//Human mRNA for KIAA0347 gene, complete cds//2.4e-49:336:86//Hs.101996:AB002345
         R-NT2RP2003121//ESTs//2.0e-75:380:96//Hs.133127:AA133355
40
         R-NT2RP2003125
         R-NT2RP2003129//EST//0.68:115:69//Hs.122196:AA780986
         R-NT2RP2003137//ESTs//2.1e-37:259:85//Hs.63169:N78506
         R-NT2RP2003161//ESTs//2.5e-88:451:96//Hs.29041:W37379
         R-NT2RP2003164//ESTs//4.3e-113:543:97//Hs.8980:AA629067
45
         R-NT2RP2003165//ESTs//6.9e-83:486:89//Hs.138632:H97952
         R-NT2RP2003177//ESTs//0.47:38:100//Hs.61790:AA421156
         R-NT2RP2003194//ESTs//4.7e-118:582:96//Hs.27266:AA053816
         R-NT2RP2003206//ESTs//0.032:388:58//Hs.122148:AA442074
         R-NT2RP2003230//ESTs//8.8e-103:478:99//Hs.40140:AI079253
50
         R-NT2RP2003237//ESTs//2.7e-76:392:96//Hs.106278:R37661
         R-NT2RP2003243//ESTs//3.6e-53:300:92//Rs.18793:AA192438
         R-NT2RP2003265//ESTs, Highly similar to protein NGD5 [M.musculus]//3.3e-110:557:96//Hs.24994:AA236937
         R-NT2RP2003272//ESTs, Weakly similar to F15C11.2 [C.elegans]//1.2e-34:228:89//Hs.107201:W52859
         R-NT2RP2003277//Homo sapiens mRNA for KIAA0625 protein, partial cds//1.4e-111:565:95//Hs.1549l9:
55
         AB014525
         R-NT2RP2003280//ESTs//2.6e-101:541:94//Hs.6982:AA622427
         R-NT2RP2003286//ESTs//1.2e-104:497:98//Hs.113052:AI222106
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R-NT2RP2003293//Human mRNA for KIAA0118 gene, partial cds//9.1e-44;458;74//Hs.154326;D42087

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R-NT2RP2003295//Protein serine/threonine kinase stk2//0.31:321:57//Hs.1087:L20321
R-NT2RP2003297//ESTs//3.0e-15:118:87//Hs.16621:AA098874
R-NT2RP2003308//ESTs, Moderately similar to CROOKED NECK PROTEIN [Drosophila melanogaster]//4.8e-109:553:96//Hs.26089:AA195126
```

<sup>5</sup> R-NT2RP2003329//ESTs//0.99:208:62//Hs.143607:AI424948

R-NT2RP2003339//ESTs//1.3e-85:441:96//Rs.24115:N32618

R-NT2RP2003347//ESTs//1.5e-70:365:96//Hs.155773:Al312825

R-NT2RP2003367//EST//5.8e-80:376:100//Hs.112500;AA599014

R-NT2RP2003391//ESTs//2.8e-98:484:97//Hs.5842:AA534476

10 R-NT2RP2003393//ESTs//2.0e-96:510:93//Hs.75844:AA115502

R-NT2RP2003394//EST//5.2e-06:264:63//Hs.144234:W52249

R-NT2RP2003401//ESTs//6.1e-25:161:90//Hs.155360:AA984683

R-NT2RP2003433//ESTs, Highly similar to PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT [Canis familiaris]//1.2e-106:508:98//Hs.131840:Al016073

<sup>15</sup> R-NT2RP2003445//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//5.6e-21:161:70//Hs.43153:N22360

R-NT2RP2003446//ESTs, Weakly similar to C27H6.4 [C.elegans]//6.0e-105:529:96//Hs.8055:W60903

R-NT2RP2003456//ESTs//7.5e-96:449:99//Hs.25362:AI277332

R-NT2RP2003480//ESTs//1.6e-116:583:96//Hs.59757;AA176121

20 R-NT2RP2003499//ESTs, Weakly similar to elastin like protein [D.melanogaster]//7.0e-71:365:95//Hs.101056: R52777

R-NT2RP2003506//ESTs, Weakly similar to ORF YPL207w [S.cerevisiae]//2.3e-115:577:96//Hs.16277:N36831 R-NT2RP2003511//ESTs//1.6e-22:182:85//Hs.28249:AA203733

R-NT2RP2003513//Human mRNA for KIAA0270 gene, partial cds//1.3e-108;566;94//Hs.78482;Y16270

R-NT2RP2003517//Platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)//4.9e-62:518:79//Hs.1976:M12783

R-NT2RP2003522//ESTs//2.0e-97:462:99//Hs.24512:D60170

R-NT2RP2003533//ESTs//4.4e-45:273:78//Hs.140225:AA704101

R-NT2RP2003543//EST//1.0:80:68//Hs.65646:F13684

<sup>30</sup> R-NT2RP2003559//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.8e-58:316:94//Hs.28891:W72439

R-NT2RP2003564//ESTs//3.2e-112:528:99//Hs.53940:N46696

R-NT2RP2003581//ESTs//1.3e-88:506:93//Hs.16157;AA203719

R-NT2RP2003596//ESTs, Weakly similar to No definition line found [C.elegans]//4.7e-101:495:98//Hs.34627:

35 AA126463

R-NT2RP2003604//Homo sapiens alpha-catenin related protein (ACRP) mRNA, complete cds//1.7e-103:501:97// Hs.58488:U97067

R-NT2RP2003629//EST//0.032:440:59//Hs.135297:AI038981

R-NT2RP2003643//ESTs, Weakly similar to HYPOTHETICAL 14.1 KD PROTEIN IN MURZ-RPON INTERGENIC

40 REGION [E.coli]//9.1e-62:359:92//Hs.12492;AA203188

R-NT2RP2003668//EST//9.4e-110:535:97//Hs.116279:AA628951

R-NT2RP2003687//EST//5.9e-05:196:65//Hs.139064:AA135523

R-NT2RP2003691//ESTs, Weakly similar to F59C6.9 [C.elegans]//1.0:202:62//Hs.65539:AI148540

R-NT2RP2003702//ESTs, Moderately similar to ovarian-specific protein [R.norvegicus]//4.3e-99:492:96//Hs.

45 93332:AA811920

R-NT2RP2003704//ESTs//1.0:155:63//Hs.104166:AA740246

R-NT2RP2003706//Homo sapiens mRNA for KIAA0525 protein, partial cds//8.4e-47:265:93//Hs.78494:AB011097 R-NT2RP2003713//EST//0.81:210:59//Hs.14551:T79401

R-NT2RP2003714//ESTs//1.7e-99:495:96//Hs.158101:Al365003

R-nnnnnnnnnnn//Human 19.8 kDa protein mRNA, complete cds//0.84:221:60//Hs.2384:U18914

R-NT2RP2003737//ESTs, Highly similar to UBIQUITIN-CONJUGATING ENZYME E2-17 KD [Caenorhabditis elegans]//2.4e-50:302:90//Hs.19196:W74577

R-NT2RP2003751

R-NT2RP2003760//ESTs//2.6e-101:548:93//Hs.115987:AA483808

55 R-NT2RP2003764//ESTs//8.2e-25:134:98//Hs.64036:AA127709

R-NT2RP2003769//ESTs//1.7e-108:545:95//Hs.56847:AA541606

R-NT2RP2003770//Homo sapiens sperm acrosomal protein mRNA, complete cds//6.0e-106:531:96//Hs.90436: AF047437

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R-NT2RP2003777//ESTs//2.6e-59:323:94//Hs.10101;Al381811
         R-NT2RP2003781//ESTs//2.0e-25:269:75//Hs.144951:N34836
         R-NT2RP2003793//ESTs//8.7e-94:466:97//Hs.93949:AA782955
         R-NT2RP2003840//ESTs//3.4e-97:533:93//Hs.16130:AA195077
5
         R-NT2RP2003857//H.sapiens mRNA for G9a//2.8e-23:351:65//Hs.75196:X69838
         R-NT2RP2003859//ESTs//3.0e-07:96:81//Hs.153262:AA551124
         R-NT2RP2003871//ESTs//1.9e-102:509:97//Hs,25726:AA430167
         R-NT2RP2003885//ESTs//1.0e-102:502:97//Hs.36353:AA702341
         R-NT2RP2003912//EST//1.2e-38:336:76//Hs.134975:AI094611
10
         R-NT2RP2003952//Homo sapiens DNA-binding protein (CROC-1B) mRNA, complete cds//0.90:190:60//Hs.
         R-NT2RP2003968//Homo sapiens hUBP mRNA for ubiquitin specific protease, complete cds//7.6e-116:568:97//
         Hs.35086:AB014458
         R-NT2RP2003976//Homo sapiens mRNA for KIAA0447 protein, complete cds//3.6e-109:540:97//Hs.7302:
15
         AB007916
         R-NT2RP2003981//Homo sapiens mRNA for KIAA0804 protein, partial cds//2.5e-115:568:96//Hs.7316:AB018347
         R-NT2RP2003984
         R-NT2RP2003986//ESTs//4.9e-36:272:82//Hs.158268:AA738087
         R-NT2RP2003988//ESTs, Weakly similar to reverse transcriptase [H.sapiens]//3.2e-110:519:99//Hs.36093:
20
         AI149968
         R-NT2RP2004014//ESTs//8.4e-102:483:99//Hs.22867:Al417478
         R-NT2RP2004041
         R-NT2RP2004042//ESTs//1.5e-105:466:97//Hs.7296:N29706
         R-nnnnnnnnnnn//ESTs//1.4e-110:559:96//Hs.71916:AA219699
25
         R-NT2RP2004081//ESTs//3.7e-105:503:98//Hs.27542:AA977204
         R-NT2RP2004098//EST//7.3e-26:203:87//Hs.21897;R41461
         R-NT2RP2004124//ESTs//1.1e-83:435:95//Hs.43299:N23036
         R-NT2RP2004142//EST//1.3e-06:165:65//Hs.146742:AI147500
         R-NT2RP2004152//ESTs//7.0e-98:455:100//Hs.17731:AI342241
         R-NT2RP2004165//ESTs, Highly similar to DYNEIN BETA CHAIN, CILIARY [Anthocidaris crassispina]//1.0e-118:
30
         583:97//Hs.16520:AI224533
         R-NT2RP2004170//ESTs//6.7e-66:407:88//Hs.157138:Al348544
         R-NT2RP2004172//ESTs//1.5e-109:567:95//Hs.159091:AA033974
         R-NT2RP2004187//ESTs//3.6e-92:488:93//Hs.22954:W26589
35
         R-NT2RP2004194//ESTs//6.2e-114:585:95//Hs.18778:AA203167
         R-NT2RP2004196
         R-NT2RP2004207//ESTs//6.3e-102:488:98//Hs.22678:AA604756
         R-NT2RP2004226//ESTs//8.8e-18:252:71//Hs.11924:W26972
         R-NT2RP2004232//ESTs, Highly similar to protein kinase C mu [H.sapiens]//5.2e-105:499:98//Hs.143460:
40
         R-NT2RP2004239//ESTs//1.2e-16:171:80//Hs.16134:AA203116
         R-NT2RP2004240//Homo sapiens antigen NY-CO-1 (NY-CO-1) mRNA, complete cds//3.4e-103:530:93//Hs.
         54900:AF039687
         R-NT2RP2004242//ESTs//1.3e-85:460:93//Hs.104535:AA211483
45
        R-NT2RP2004245//ESTs//6.4e-117:575:97//Hs.23744:AA035744
        R-NT2RP2004270//ESTs//1.0:95:69//Hs.141371:H92187
        R-NT2RP2004300//ESTs//4.4e-80:379:99//Hs.130874:AA905056
        R-NT2RP2004316//Homo sapiens EXT-like protein 2 (EXTL2) mRNA, complete cds//4.7e-110:544:96//Hs.61152:
        AF000416
50
        R-NT2RP2004321//ESTs//2.1e-18:104:99//Hs.107207:AA044788
        R-NT2RP2004339//EST//1.4e-47:309:86//Hs.161917:AA483223
        R-NT2RP2004347
        R-NT2RP2004364//ESTs//1.1e-113:566:96//Hs.25880:AI268173
        R-NT2RP2004365//ESTs//0.022;271;62//Hs.38897;AI129310
        R-NT2RP2004366//ESTs//9.5e-71:335:100//Hs.91867:Al218624
55
        R-NT2RP2004373//ESTs//4.2e-25:172:87//Hs.83243:N32192
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[Caenorhabditis elegans]//1.4e-11:108:82//Hs.30490:AA146916

R-NT2RP2004389//ESTs, Highly similar to HYPOTHETICAL 70.7 KD PROTEIN F09G8.3 IN CHROMOSOME III

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R-NT2RP2004392//ESTs//3.4e-81:427:94//Hs.5827:AA581646
         R-NT2RP2004396//EST//5.6e-06:100:77//Hs.138623:H92473
         R-NT2RP2004399//EST//0.98:337:59//Hs.118446:N67900
         R-NT2RP2004400//ESTs//2.1e-90;422;100//Hs.152460;AA602921
 5
         R-NT2RP2004412//ESTS//1.4e-105:503:98//Hs.15929:AA403121
         R-NT2RP2004425//EST//0.00017:225:60//Hs.146935:AI168124
         R-NT2RP2004476//ESTs//1.4e-88:477:94//Hs.4859:N29695
         R-NT2RP2004490//Homo sapiens 3-phosphoinositide dependent protein kinase-1 (PDK1) mRNA, complete cds//
         8.6e-34:143:98//Hs.154729:AF017995
10
         R-NT2RP2004512//ESTs//2.6e-91:426:100//Hs.94133:AI270700
         R-NT2RP2004523//ESTs//1.6e-74:377:97//Hs.14217:R61320
         R-NT2RP2004538//Thromboxane A2 receptor//1.4e-45:279:89//Hs.89887:D38081
         R-NT2RP2004551//ESTs//0.47:147:66//Hs.131519:AI024347
         R-NT2RP2004568//ESTs//1.3e-107:567:94//Hs.65234:AA195470
15
         R-NT2RP2004580//ESTs//5.9e-29:156:98//Hs.147801:AI221661
         R-NT2RP2004587//ESTs//1.0e-102:495:97//Hs.91662:AA781126
         R-NT2RP2004594//ESTs//4.1e-56:298:95//Hs.24641:AA954666
         R-NT2RP2004600//ESTs//4.8e-67:374:93//Hs.49762:N69862
         R-NT2RP2004602//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//4.5e-07:
20
         149:76//Hs.12845:N28835
         R-NT2RP2004614//ESTs//1.0e-111:557:96//Hs.37892:N53497
         R-NT2RP2004655//Homo sapiens mRNA for leucine rich protein//2.4e-118:587:96//Hs.5198:AJ006291
         R-NT2RP2004664//Homo sapiens mRNA for KIAA0460 protein, partial cds//5.9e-107:520:96//Hs.29956:
         AB007929
25
         R-NT2RP2004675//ESTs//2.7e-82:407:97//Hs.116113:F18930
         R-NT2RP2004681//NUCLEOLIN//0.34:387:58//Hs.79110:M60858
         R-NT2RP2004689//Homo sapiens mRNA for KIAA0625 protein, partial cds//5.0e-120:600:96//Hs.154919:
         AB014525
         R-NT2RP2004709//ESTs//1.1e-106:511:98//Hs.38034:AI149793
30
         R-NT2RP2004710//ESTs//9.9e-87:477:93//Hs.6834:AA203433
         R-NT2RP2004736//Homo sapiens mRNA for KIAA0478 protein, complete cds//1.3e-118:594:96//Hs.4236:
         AB007947
         R-NT2RP2004743//ESTs//2.1e-48:327:88//Hs.43635:AA447015
         R-NT2RP2004767//EST//4.0e-57:328:81//Hs.142796:N51423
35
         R-NT2RP2004775//ESTs//9.4e-60:326:94//Hs.115339:AA136774
         R-NT2RP2004791//ESTs//3.2e-82:367:96//Hs.141911:N64013
         R-NT2RP2004799//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds//
         8.0e-116:564:96//Hs.40820:AF058953
         R-NT2RP2004802//ESTs//6.5e-111:586:94//Hs.90375:W74579
40
         R-NT2RP2004816//Homo sapiens H beta 58 homolog mRNA, complete cds//8.7e-120:584:97//Hs.67052:
         AF054179
         R-NT2RP2004841//EST//3.8e-31:323:74//Hs.147714:AI219906
         R-NT2RP2004861//EST//0.92:147:63//Hs.23064:R20803
         R-NT2RP2004897//ESTs//1.7e-46:390:80//Hs.139225:H96567
         R-NT2RP2004936//EST//0.97:176:63//Hs.137436:AA280529
45
         R-nnnnnnnn//ESTs//0.059:137:64//Hs.144109:AI345543
         R-NT2RP2004961//ESTs//1.8e-87:409:100//Hs.138297:AA781941
         R-NT2RP2004962//ESTs//0.0021:292:59//Hs.145917:AI275458
         R-NT2RP2004967//Human mRNA for KIAA0118 gene, partial cds//7.4e-51:506:75//Hs.154326:D42087
50
         R-NT2RP2004978//ESTs//0.95:138:63//Hs.13619:W93496
         R-NT2RP2004982//ESTs//7.8e-95:468:97//Hs.22545:R43910
         R-NT2RP2004985
         R-NT2RP2004999//ESTs//2.9e-94:450:98//Hs.128766:AI419902
         R-NT2RP2005000
55
         R-NT2RP2005001//Homo sapiens mRNA for KIAA0615 protein, complete cds//9.6e-113:577:95//Hs.155972:
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R-nnnnnnnnnn//Homo sapiens SEC63 (SEC63) mRNA, complete cds//3.1e-116:568:97//Hs.31575:AF100141

R-NT2RP2005003//EST//1.3e-75:387:96//Hs.140843:R42235

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R-NT2RP2005018//ESTs//7.5e-46:280:90//Hs.126857:AA932161
         R-NT2RP2005020//ESTs//1.6e-105:554:94//Hs.14846:AA148507
         R-NT2RP2005031//EST//3.1e-79:379:99//Hs.139709:AA227887
         R-NT2RP2005037//ESTs//5.3e-102:551:93//Hs.26516:AA195220
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         R-NT2RP2005038//ESTs//5.8e-101:566:92//Hs.46964:N49757
         R-NT2RP2005108
         R-NT2RP2005116//Homo sapiens mRNA for KIAA0664 protein, partial cds//2.7e-105:518:97//Hs.22616: .
         R-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein)//4.6e-69:464:85//Hs.
10
         100555:X98743
         R-NT2RP2005139//ESTs//1.0e-108:545:95//Hs.21006:AA523383
         R-NT2RP2005140//ESTs//4.3e-90:422:99//Hs.62180AI341261
         R-NT2RP2005144//ESTs//0.91:162:62//Hs.52399:AI075744
         R-NT2RP2005147//ESTs//4.6e-100:502:96//Hs.27931:AA633438
15
         R-NT2RP2005159//ESTs//7.5e-105:533:95//Hs.109819:AI357582
         R-NT2RP2005162//ESTs//6.6e-83:419:96//Hs.113998:H50648
         R-NT2RP2005168//Homo sapiens mRNA for EIB-55kDa-associated protein//2.4e-101:513:95//Hs.155218:
         AJ007509
        R-NT2RP2005204//ESTs, Weakly similar to UBIQUITIN-ACTIVATING ENZYME E1 HOMOLOG [H.sapiens]//1.9e-
20
         115:577:96//Hs.7600:H98166
        R-NT2RP2005227//Homo sapiens UM protein mRNA, complete cds//1.0e-45:359:82//Hs.154103:AF061258
        R-NT2RP2005239//ESTs, Highly similar to NIFS-LIKE 54.5 KD PROTEIN [Saccharomyces cerevisiae]//1.0e-47:
        245:97//Hs.21090:AA418587
        R-NT2RP2005254//ESTs//3.3e-111:581:94//Hs.22549:AA524503
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        R-NT2RP2005270//ESTs, Highly similar to HYPOTHETICAL 67.6 KD PROTEIN ZK637.3 IN CHROMOSOME III
        [Caenorhabditis elegans]//1.1e-79:412:95//Hs.23047:N66596
        R-NT2RP2005276//ESTs//4.6e-85:426:96//Hs.24550:AA316272
        R-NT2RP2005287//ESTs//1.7e-109:565:94//Hs.61976:Al279001
        R-NT2RP2005288//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds//2.4e-125:594:98//
30
        Hs.27007:AF060219
        R-NT2RP2005289//Homo sapiens mRNA for XPR2 protein//4.9e-112:545:96//Hs.44766:AJ007590
        R-NT2RP2005293//ESTs//5.1e-116:538:99//Hs.62180:Al341261
        R-NT2RP2005315//ESTs//1.4e-82:415:97//Hs.155829;AA018338
        R-NT2RP2005325//Human LIM-homeobox domain protein (hLH-2) mRNA, complete cds//2.5e-45:272:91//Hs.
35
        1569:U11701
        R-NT2RP2005336//ESTs//1.9e-93:444:99//Hs.110966;AA151699
        R-NT2RP2005 344//Homo sapiens GDP-L-fucose pyrophosphorylase (GFPP) mRNA, complete cds//0.011:463:
        58//Hs.150926:AF017445
        R-NT2RP2005354//ESTs//7.2e-22:148:91//Hs.153783:H14544
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        R-NT2RP2005360//ESTs//0.048:225:60//Hs.7602:AA099247
        R-NT2RP2005393//Homo sapiens mRNA for KIAA0761 protein, partial cds//2.9e-41:248:82//Hs.93121:AB018304
        R-NT2RP2005407//ESTs, Weakly similar to OSH1 PROTEIN [Saccharomyces cerevisiae]//2.5e-75:461:88//Hs.
        70849:AA121697
        R-NT2RP2005436//ESTs, Weakly similar to HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II
        [C.elegans]//8.1e-96:491:95//Hs.7194:AI185631
        R-NT2RP2005441//ESTs//1.1e-110:548:96//Hs.5209:AA780068
        R-NT2RP2005453//ESTs//0.94;352;58//Hs,25870;H14423
        R-NT2RP2005457//ESTs//2.1e-46:236:97//Hs.19522:AA975096
        R-NT2RP2005464//ESTS//1.8e-72:349:99//Hs.44045:N51307
        R-NT2RP2005465//ESTs//0.0058:322:58//Hs.127009:Al378936
        R-NT2RP2005472//ESTs//0.47:309:60//Hs.144838;Al222019
        R-NT2RP2005476//ESTS//5.1 e-40:205:9811Hs.101577;AI168526
        R-NT2RP2005490//ESTs//L3e-70:364:96//Hs.134382:AA083573
        R-NT2RP2005491//EST//0.012:220:60//Hs.144448:AA812455
        R-NT2RP2005495//ESTs//1.2e-86:501:91//Hs.99445:R93540
        R-NT2RP2005496//ESTs//3.2e-34:263:81//Hs.70279:AA757426
        R-NT2RP2005498//ESTS, Highly similar to PROTEIN PHOSPHATASE PP2A, 55 KD REGULATORY SUBUNIT,
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NEURONAL ISOFORM [Oryctolagus cuniculus]//2.3e-45:284:88//Hs.85752:AI138993

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R-NT2RP2005501//ESTs//2.5e-84:404:98//Hs.143812:AI141755
R-NT2RP2005509//ESTs, Highly similar to HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME
I [Schizosaccharomyces pombe]//8.2e-36:215:92//Hs.5298:AA725071
R-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds//3.2e-110:
570:9411Hs.119023:AF092563
R-NT2RP2005525//ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//1.3e-84:
433:95//Hs.36942:AA524535
R-NT2RP2005531//EST//0.98:64:70//Hs.146573:AI139856
R-NT2RP2005539//Homo sapiens mRNA for NS1-binding protein (NS1-BP)//8.8e-108:560:94//Hs.159597:
AJ012449
R-NT2RP2005540//Homo sapiens mRNA for KIAA0494 protein, complete cds//1.7e-115:583:96//Hs.62515:
AB007963
R-NT2RP2005549//EST//0.61:111:62//Hs.147482:AI215572
R-NT2RP2005555//ESTs//6.6e-108:507:99//Hs.68613:AI357567
R-NT2RP2005557//ESTs//3.1e-105:495:99//Hs.105985:AA885169
R-NT2RP2005581//ESTs//1.7e-79:445:92//Hs.138152:H03240
R-NT2RP2005600//ESTs//1.3e-38:192:100//Hs.48329:W92733
R-NT2RP2005605//ESTs//7.6e-87:409:99//Hs.45005:AA975060
R-NT2RP2005620//ESTs//2.9e-96:463:97//Hs.7407:AI376788
R-NT2RP2005622//ESTs//1.8e-104:497:98//Hs.22595:AA394229
R-NT2RP2005637//EST//2.5e-20:163:71//Hs.161164:AI418211
R-NT2RP2005640//ESTs//5.0e-99:473:98//Hs.23467:AA708740
R-NT2RP2005645//ESTs//9.5e-23:231:77//Hs.5534:AA195173
R-NT2RP2005651//ESTS, Highly similar to XFIN PROTEIN [Xenopus laevis]//2.9e-103:525:96//Hs.70589:
R-NT2RP2005654//Insulin-like growth factor binding protein 2//0.94:223:60//Hs.162:X16302
R-NT2RP2005669//Homo sapiens nitrilase 1 (VIII) mRNA, complete cds//2.7e-14:87:100//Hs.146406:AF069987
R-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds//5.8e-91:434:98//
Hs 25664:AF089814
R-NT2RP2005683//ESTs//1.5e-98:494:96//Hs.22595:AA394229
R-NT2RP2005690//ESTs//4.8e-43:286:86//Hs.150727:AI292236
R-NT2RP2005694//EST//3.1e-82:386:100//Hs.149391:AI273643
R-NT2RP2005701//ESTs, Highly similar to BUTYROPHILIN PRECURSOR [Bos tauros]//2.8e-68:376:93//Hs.
9095:AA532630
R-NT2RP2005712//Homo sapiens mRNA for KIAA0799 protein, partial cds//1.3e-105:503:98//Hs.61638:
AB018342
R-NT2RP2005719//ESTs, Weakly similar to GPI-anchored protein p137 precursor [H.sapiens]//5.4e-105:500:98//
Hs.14298:AI417523
R-NT2RP2005722//EST//6.5e-76:395:94//Hs.142150:AA223982
R-NT2RP2005723//ESTs//1.5e-84:452:93//Hs.91753:R44455
R-NT2RP2005726//ESTs//3.5e-64:500:82//Hs.100526:AI223153
R-NT2RP2005741//ESTs//4.7e-60:333:93//Hs.107242:R40258
R-NT2RP2005748//ESTs//3.4e-102:498:97//Hs.82660:N78064
R-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds//4.3e-42:223:96//
Hs.159651:AF068868
R-NT2RP2005753//Homo sapiens I-1 receptor candidate protein mRNA, complete cds//1.2e-104:494:98//Hs.
26285:AF082516
R-NT2RP2005763//ESTs//1.1e-97:456:99//Hs.65412:Al362163
R-NT2RP2005767//ESTs//8.0e-38:204:96//Hs.18460:AA193463
R-NT2RP2005773//ESTs, Highly similar to PYRROLINE-5-CARBOXYLATE REDUCTASE [Homo sapiens]//5.4e-
112:559:96//Hs.14214:AI189379
R-NT2RP2005775//ESTs, Highly similar to NEUROLYSIN PRECURSOR [Sus scrofa]//3.0e-108:544:96//Hs.
22151:AI214321
R-NT2RP2005781//ESTs//1.7e-43:217:99//Hs.144391:AA365664
R-NT2RP2005784//EST//0.0071:217:60//Hs.117332:AA699724
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R-NT2RP2005804//ESTs//8.8e-107:512:98//Hs.15496:W44398 R-NT2RP2005812//ESTs//9.0e-76:359:99//Hs.113937:AI298746 R-NT2RP2005815//ESTs//5.5e-76:363:99//Hs.136230:AA594981

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R-NT2RP2005835//ESTs//1.5e-100:541:94//Hs.86813:N25122
         R-NT2RP2005841//ESTs//2.8e-105:556:92//Hs.69993:AA628403
         R-NT2RP2005853//EST//2.0e-13:219:70//Hs.134016:AI076062
         R-NT2RP2005857//ESTS//1.0e-115:576:96//Hs.30663:AI338462
         R-NT2RP2005859//ESTs//7.3e-116:571:97//Hs.85986:AA195105
         R-NT2RP2005868//EST//0.00023:320:61//Hs.149689:AI284133
         R-NT2RP2005890//ESTs//1.0e-96:466:98//Hs.122579:AA766315
         R-NT2RP2005901//ESTs//8.3e-116:548:98//Hs.66296:AI125268
         R-NT2RP2005908//ESTs, Weakly similar to weakly similar to gastrula zinc finger protein [C.elegans]//2.4e-73:397:
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         94//Hs.16667:T92427
         R-NT2RP2005933//ESTs, Highly similar to nucleoporin p54 [R.norvegicus]//2.8e-114:560:97//Hs.9082:AA873170
         R-NT2RP2005942//ESTs//5.6e-117:582:96//Hs.146123:Al338419
         R-NT2RP2005980//ESTs//6.9e-101:478:98//Hs.43145:AA776988
         R-NT2RP2006023//Homo sapiens PYRIN (MEFV) mRNA, complete cds//8.5e-51:398:80//Hs.113283:AF018080
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         R-NT2RP2006038//ESTs//0.025:284:59//Hs.97852:AA404347
         R-NT2RP2006043//ESTs, Weakly similar to HYPOTHETICAL 37.0 KD PROTEIN B0495.8 IN CHROMOSOME II
         [C.elegans]//1.2e-50:278:94//Hs.7194;AI185631
         R-NT2RP2006052//ESTs//5.0e-52:272:95//Hs.99545;AA461492
         R-NT2RP2006069//ESTs//1.8e-90:495:93//Hs.43654:AA522714
20
         R-NT2RP2006071//ESTs//1.5e-38:218:94//Hs.107882:W72093
         R-NT2RP2006098//ESTs//2.9e-105:540:95//Hs.26860:N56918
         R-NT2RP2006100//Human organic anion transporting polypeptide (OATP) mRNA, complete cds//0.031:254:62//
         Hs.46440:U21943
         R-NT2RP2006103//ESTs//1.5e-86:416:98//Hs.152114:AA401365
25
         R-NT2RP2006141//ESTs//5.3e-88:432:98//Hs.77480:AA100522
         R-NT2RP2006166//Homo sapiens LIM protein mRNA, complete cds//2.8e-17:255:72//Hs.154103:AF061258
         R-NT2RP2006184//ESTs//8.4e-101:487:98//Hs.58009:W69435
         R-NT2RP2006186//Homo sapiens mRNA for KIAA0654 protein, partial cds//6.1e-110:553:95//Hs.109299:
         AB014554
         R-NT2RP2006196//Human clone 23960 mRNA sequence//0.0037:48:100//Hs.151293:U79276
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         R-NT2RP2006200//ESTs//6.5e-77:398:96//Hs.163953:R01398
         R-NT2RP2006219//H.sapiens mRNA for DGCR6 protein//1.2e-94:532:90//Hs.153910:X96484
         R-NT2RP2006237//ESTs//1.2e-57:305:95//Hs.86149:AI341312
         R-NT2RP2006238//ESTs, Highly similar to rA8 [R.norvegicus]//1.5e-29:183:91//Hs.4048:AA404253
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         R-NT2RP2006258//ESTs//3.2e-87:462:94//Hs.141556:N49928
         R-NT2RP2006261//ESTs//3.4e-57:3 26:92//Hs.22523:W02999
         R-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds//4.7e-96:481:97//Hs.3404:AF035262
         R-NT2RP2006320//EST//3.4e-21:335:65//Hs.141603:N66015
         R-NT2RP2006321//ESTs, Moderately similar to karyopherin beta 3 [H.sapiens]//1.9e-89:460:96//Hs.21889:
40
         R-NT2RP2006323//ESTs//3.5e-91:439:98//Hs.61697:AI081771
         R-NT2RP2006333//ESTs//4.9e-38:301:82//Hs.155999:AA196412
         R-NT2RP2006334//EST//3.1e-45:264:91//Hs.149599:AI282321
         R-NT2RP2006365//ESTs//2.9e-81:417:95//Hs.11814:W44411
45
         R-NT2RP2006393//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//3.9e-48:403:
        77//Hs.1361:M55053
        R-NT2RP2006436//Homo sapiens mRNA for small GTP-binding protein, complete cds//1.4e-27:155:76//Hs.
         115325:D84488
        R-NT2RP2006441//ESTs//6.0e-108:529:97//Hs.101282:N45092
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        R-NT2RP2006454//ESTs//9.2e-20:110:99//Hs.144687;AI341146
        R-NT2RP2006456//ESTs//7.1e-91:508:92//Hs.12488:W63595
        R-NT2RP2006464//Homo sapiens mRNA for AND-1 protein//2.1e-109:524:97//Hs.72160:AJ006266
        R-NT2RP2006467//EST//0.99:140:61//Hs.146958;AI174478
        R-NT2RP2006472//ESTs//3.3e-92:473:95//Hs.29216:AA916679
        R-NT2RP2006534//ESTs//1.2e-83:394:99//Hs.162116:AA524947
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        R-NT2RP2006554//ESTs//1.0e-87:460:95//Hs.47095:AA181474
        R-NT2RP2006565//ESTs//3.2e-24:129:100//Hs.13499:AI299886
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R-NT2RP2006571//ESTs//2.6e-56:306:94//Hs.98370:AA316622

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R-nnnnnnnn//ESTs//2.0e-112:533:98//Hs.18685:Al393829
         R-NT2RP2006598//ESTs, Weakly similar to retinoid X receptor interacting protein [M.musculus]//4.1e-109:542:
         97//Hs.7889:AI337112
         R-NT2RP3000002//ESTs//1.3e-08:399:59//Hs.126044:AI301598
         R-NT2RP3000031//Homo sapiens mRNA for histone deacetylase-like protein (JM21)//1.9e-116:560:97//Hs.6764:
         AJ011972
         R-NT2RP3000046//Small inducible cytokine A5 (RANTES)//1.9e-57:312:85//Hs.155464:AF088219
         R-NT2RP3000047//EST//0.91:130:66//Hs.140208;AA702213
         R-NT2RP3000050//ESTs, Weakly similar to putative p150 [H.sapiens]//3.1e-41:249:90//Hs.156155:AI222202
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         R-NT2RP3000055//EST//2.4e-19:146:86//Hs.160497:AI255095
         R-NT2RP3000072//ESTs//2.2e-82:424:96//Hs.21542:N49574
         R-NT2RP3000080//ESTs//2.1e-29:186:89//Hs.153372:AA424029
         R-NT2RP3000085//ESTs//4.5e-101:482:98//Hs.47649:AA838715
         R-NT2RP3000109//ESTs//9.5e-97:455:99//Hs.17731:AI342241
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         R-NT2RP3000134//EST//4.7e-106:497:99//Hs.125531:AA884000
         R-NT2RP3000142//Homo sapiens mRNA for KIAA0592 protein, partial cds//1.2e-116:578:96//Hs.13273:
         AB011164
         R-NT2RP3000149//ESTs//7.7e-62:361:90//Hs.6649:N93418
         R-NT2RP3000186
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         R-NT2RP3000197//ESTs//1.5e-75:436:91//Hs.140931:R51882
         R-NT2RP3000207//ESTs//1.3e-98:468:98//Hs.126908:AA933091
         R-NT2RP3000220//ESTs//2.2e-27:144:99//Hs.106861:R61306
         R-NT2RP3000233//EST//7.8e-77:368:99//Hs.49075:N64817
         R-NT2RP3000235//ESTs//0.43:82:74//Hs.132828:AI032819
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         R-NT2RP3000247//EST//2.2e-97:459:99//Hs.127928:AA969239
         R-NT2RP3000251
         R-NT2RP3000252//ESTs, Weakly similar to Lpg15p [S.cerevisiae]//2.0e-108:532:97//Hs.111086:Al379177
         R-NT2RP3000255//EST//0.67:93:67//Hs.120579:AA743073
         R-NT2RP3000267//ESTs//8.5e-108:542:95//Hs.24984:AA534446
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         R-NT2RP3000299//ESTs, Weakly similar to enhancer of filmentation 1 [H.sapiens]//3.6e-103:516:96//Hs.4894:
         Al191323
         R-NT2RP3000312//ESTs//1.3e-100:493:97//Hs.29379:AI094117
         R-NT2RP3000320//ESTs//3.2e-95:538:91//Hs.118793:AA192438
         R-NT2RP3000324
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         R-NT2RP3000333//ESTs//6.0e-39:194:100//Hs.119238:AA476267
         R-NT2RP3000341//ESTS//0.51:251:61//Hs.94090:AA777689
         R-NT2RP3000348//EST//1.8e-80:389:98//Hs.145944:AI276225
         R-NT2RP3000350//ESTs, Weakly similar to Lpq15p (S.cerevisiael//3.1e-110:556:96//Hs.111086:Al379177
         R-NT2RP3000359//EST//4.9e-61:340:92//Hs.126495;AA913741
         R-NT2RP3000361//ESTs, Weakly similar to PRE-MRNA SPLICING FACTOR PRP6 [S.cerevisiae]//4.8e-91:439:
40
         97//Hs.31334:AI144423
         R-NT2RP3000366//EST//0.20:392:57//Hs.149652:AI283303
         R-NT2RP3000397//EST//8.7e-26:150:94//Hs.124617:AA855106
         R-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds//4.2e-111:529:98//Hs.28307:
45
         AF071185
         R-NT2RP3000418//EST//3.3e-09:202:67//Hs.117189:AA682947
         R-NT2RP3000433
         R-NT2RP3000439//ESTs//3.1e-79:426:92//Hs.26548:W26340
         R-NT2RP3000441//ESTs//6.3e-84:420:97//Hs.137482:AA421254
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        R-NT2RP3000449//ESTs//4.9e-93:435:99//Hs.54617:Al379102
        R-NT2RP3000451//ESTs//2.3e-89:439:97//Hs.9196;AA748492
        R-NT2RP3000456//Homo Sapiens (clone B3B3E13) chromosome 4pl6.3 DNA fragment//1.8e-23:347:70//Hs.
         114963:L34408
        R-NT2RP3000484//Heparin cofactor II//0.98:166:62//Hs.1478:M58600
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        R-NT2RP3000487//ESTs//0.012:384:60//Hs.88684:AA885141
        R-NT2RP3000512//Homeo box B3//2.0e-69:377:93//Hs.49931:X16667
        R-NT2RP3000526//ESTS//1.6e-91:432:99//Hs.38042:AA187151
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R-NT2RP3000527//ESTs//1.2e-100:518:94//Hs.104557:AI078161

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R-NT2RP3000531//ESTs, Weakly similar to TH1 protein [D.melanogaster]//0.95:85:71//Hs.5184:AA709151
         R-NT2RP3000542//ESTs//2.6e-53:375:84//Hs.44158:N30180
         R-NT2RP3000561//EST//1.1e-13:170:75//Hs.148421:AI198036
         R-NT2RP3000562//Human mRNA for KIAA0233 gene, complete cds//0.97:141:68//Hs.79077:D87071
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         R-NT2RP3000578//ESTs//2.6e-68:324:100//Hs.5445:AA779447
         R-NT2RP3000582//ESTS//2.1 e-25:131:80//Hs.152465:AA563785
         R-NT2RP3000584//ESTs//1.8e-97:460:99//Hs.120698:AI241511
         R-NT2RP3000590//ESTs//2.0e-97:453:100//Hs.105355:AA953817
         R-NT2RP3000592//ESTs//2.8e-91:432:99//Hs.144304:AI190916
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         R-nnnnnnnnn//Human mRNA for KIAA0314 gene, partial cds//1.5e-09:447:58//Hs.155045:AB002312
         R-NT2RP3000599//ESTs//3.8e-93:437:99//Hs.23971:AA829880
         R-NT2RP3000605//ESTs//4.2e-111:554:96//Hs.40780:AA422049
         R-NT2RP3000622//ESTs//2.0e-100:473:99//Hs.11387:AI127394
         R-NT2RP3000624//ESTs, Weakly similar to KIAA0256 [H.sapiens]//5.4e-115:545:98//Hs.4857:AI090739
         R-NT2RP3000628//Homo sapiens mRNA for KIAA0772 protein, complete cds//4.3e-49:397:80//Hs.15519:
15
         AB018315
         R-NT2RP3000632//ESTs, Moderately similar to cyclin-selective ubiquitin carrier protein [H.sapiens]//6.3e-92:434:
         99//Hs.152517:AA719022
         R-NT2RP3000644//ESTs//1.0e-44:306:84//Hs.155498:W27084
20
         R-NT2RP3000661//ESTs//3.1e-95:470:97//Hs.126069:W76185
         R-NT2RP3000665//ESTs//3.3e-95:503:94//Hs.34313:W81185
         R-NT2RP3000685//ESTs//2.7e-99:515:94//Hs.9711:R60873
         R-NT2RP3000690//ESTs//3.3e-88:414:99//Hs.1465 89:Al085578
         R-NT2RP3000736
25
         R-NT2RP3000742//ESTs, Highly similar to 1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODI-
         ESTERASE DELTA 1 [Rattus norvegicus]//1.8e-07:114:75//Hs.136065:W21960
         R-NT2RP3000753//ESTs//3.1e-99:461:100//Hs.150901:Al310447
         R-NT2RP3000759//ESTs//2.0e-74:384:95//Hs.104222:AA207243
         R-NT2RP3000815//ESTs//8.5e-97:455:99//Hs.158897:Al378583
30
         R-NT2RP3000825//EST//0.0089:343:59//Hs.42897:N20810
         R-NT2RP3000826//EST//3.4e-33:342:74//Hs.162236:AA551582
         R-NT2RP3000836//ESTs//6.8e-24:181:84//Hs.134464:AI151081
         R-NT2RP3000841//ESTs//4.5e-93:491:93//Hs.23618:H98082
         R-NT2RP3000845//ESTs//2.4e-88:473:93//Hs.8312:AA813022
35
         R-NT2RP3000847//ESTs//9.3e-89:460:95//Hs.154106:AI051657
         R-NT2RP3000850
         R-NT2RP3000852//Fibrillin 2//0.55;237;63//Hs.79432;U03272
         R-NT2RP3000859//ESTs//1.4e-96:509:94//Hs.7187:AA576895
         R-NT2RP3000865//EST//4.8e-23:461:66//Hs.162088;AA505741
40
         R-NT2RP3000868//ESTs//5.4e-78:430:93//Hs.102796:N70837
         R-NT2RP3000869//ESTs//8.5e-77:397:94//Hs.84484:AI014673
         R-NT2RP3000875//Mevalonate kinase//3.8e-78:531:84//Hs.75138:M88468
         R-NT2RP3000901//ESTs//2.1e-95:466:97//Hs.10647:AA428217
         R-NT2RP3000904//ESTs//1.6e-79:380:99//Hs.100850:AA479385
45
         R-NT2RP3000917//ESTs, Highly similar to mouse Dhml protein [M.musculus]//9.5e-113:566:96//Hs.5900:
         AA035728
         R-NT2RP3000919
         R-NT2RP3000968//40S RIBOSOMAL PROTEIN S15A/1.5e-25:375:71//Hs.2953:X84407
         R-NT2RP3000980//ESTs//3.3e-72:364:96//Hs.9536:AA114178
50
         R-NT2RP3000994//ESTs//3.5e 111:537:97//Hs.21146:AA683542
         R-NT2RP3001004//ESTs//9.6e-91:456:96//Hs.58974:W87405
         R-NT2RP3001007//ESTs//6.7e-99:482:97//Hs.117737:AI088029
         R-NT2RP3001055//ESTs//0.0012:294:60//Hs.66479:AA863044
         R-NT2RP3001057//ESTs, Highly similar to ZINC FINGER PROTEIN HF.12 [Homo sapiens]//5.6e-102:486:99//Hs.
55
         145956:AA007349
         R-NT2RP3001081//Retinal pigment epithelium-specific protein (65kD)//0.0012:447:58//Hs.2133:U18991
         R-NT2RP3001084//ESTs//4.3e-102:528:96//Hs.25277:W87874
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R-NT2RP3001096//ESTS//1.1e-110:540:96//Hs.42824;AA873182

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R-NT2RP3001107//ESTs//7.6e-100:478:98//Hs.99669:AA287832
         R-nnnnnnnnnn//DNA polymerase gamma//0.0014:50:100//Hs.80961:U60325
         R-NT2RP3001111//ESTs, Weakly similar to Trf-proximal protein [D.melanogaster]//3.2e-104:543:95//Hs.93796:
         C06063
5
         R-NT2RP3001113//ESTs//3.3e-100:467:99//Hs.97757:AA401575
         R-NT2RP3001115//0xytocin receptor//7.9e-30:505:67//Hs.2820:X64878
         R-NT2RP3001116//ESTs//4.6e-41:229:96//Hs.58412:W74779
         R-NT2RP3001119//ESTs//6.9e-88:478:92//Hs.19469:AA203180
         R-NT2RP3001120//ESTs//3.1e-82:430:93//Hs.110956:AI190166
10
         R-NT2RP3001126//ESTs//4.4e-52:264:96//Hs.25264:R78188
         R-NT2RP3001133//ESTs//4.7e-105:541:94//Hs.73239:AA573761
         R-NT2RP3001140//Homo sapiens mRNA for KIAA0762 protein, partial cds//2.6e-115:549:97//Hs.5378:AB018305
         R-NT2RP3001147//ESTs, Highly similar to GTPASE ACTIVATING PROTEIN ROTUND [Drosophila melanogaster]
         //9.6e-113:552:97//Hs.23900:U82984
         R-NT2RP3001150//ESTs//2.9e-90:444:97//Hs.99601:AA760717
15
         R-NT2RP3001155//Homo sapiens mRNA for AND-1 protein//9.4e-118:563:98//Hs.72160:AJ006266
         R-NT2RP3001176//ESTs//1.8e-110:534:98//Hs.58650:AI074460
         R-NT2RP3001214//ESTs//1.7e-109:545:96//Hs.24481:AA573139
         R-NT2RP3001216//EST//0.00098:128:66//Hs.160493:AI254963
20
         R-NT2RP3001221//EST//0.010:106:66//Hs.147774:AI221196
         R-NT2RP3001232//ESTs//1.5e-101:5l8:94//Hs.21630:AA778399
         R-NT2RP3001236//ESTs, Highly similar to KIAA0377 [H.sapiens]//2.8e-89:462:95//Hs.116793:AA779588
         R-NT2RP3001239//ESTs, Moderately similar to NEURAXIN [Rattus norvegicus]//5.2e-82:466:91//Hs.66048:
         AA524416
25
         R-NT2RP3001245//EST//0.53:237:62//Hs.161131:Al417631
         R-NT2RP3001253//ESTs//1.7e-105:535:96//Hs.42315:AI222997
         R-NT2RP3001260//EST//0.16:144:62//Hs.126856:AA932135
         R-NT2RP3001268//Human Aac11(aac11) mRNA, complete cds//0.12:494:59//Hs.151031:U83857
         R-NT2RP3001272//ESTs//1.4e-92:436:99//Hs.149831:Al383965
30
         R-NT2RP3001274//ESTs//3.9e-81:424:95//Hs.1113184:N25651
         R-NT2RP3001281//EST//3.1e-60:298:98//Hs.149230:AI247332
         R-NT2RP3001307//EST//0.42:215:62//Hs.126165:AA868691
         R-NT2RP3001318//ESTs//4.1e-74:363:97//Hs.130832:H92571
         R-NT2RP3001325//ESTs//1.7e-106:534:96//Hs.21214:H98989
35
         R-NT2RP3001338//Human protein tyrosine phosphatase sigma mRNA, complete cds//0.22:199:63//Hs.159534:
         U35234
         R-NT2RP3001339//Homo sapiens mRNA for KIAA0451 protein, complete cds//3.9e-114:566:96//Hs.18586:
         AB007920
         R-NT2RP3001340//ESTs//1.1e-72:411:92//Hs.21135:W81653
40
         R-NT2RP3001355//ESTs//9.0e-103:521:95//Hs.99486:AA776798
         R-NT2RP3001374//ESTs//2.7e-82:395:98//Hs.117102:AA993090
        R-NT2RP3001383//ESTs//3.6e-10:118:78//Hs.111055:AA169778
        R-NT2RP3001384//ESTs, Weakly similar to A-kinase anchor protein 95, AKAP95 [R.norvegicus]//5.7e-92:522:90//
        Hs.96200:AA218942
45
        R-NT2RP3001392//ESTs//5.9e-62:296:100//Hs.125034:AA907375
        R-NT2RP3001396//ESTS//3.7e-111:528:98//Hs.22612:AA152232
        R-NT2RP3001398//ESTs//2.6e-94:449:99//Hs.146332:AI276628
        R-NT2RP3001399//ESTs//2.6e-82:401:97//Hs.7932:AI041186
        R-NT2RP3001407//ESTs//2.2e-101:488:97//Hs.71573:AA496898
50
        R-NT2RP3001420//EST//7.4e-44:394:79//Hs.137041:AA877817
        R-NT2RP3001426//Homo sapiens clone 24616 mRNA sequence//3.6e-106:550:94//Hs.6957:AF052158
        R-NT2RP3001427//ESTs//1.3e-87:374:97//Hs.5457:H05692
        R-nnnnnnnnnn//Neurotrophic tyrosine kinase, receptor, type 1//4.7e-96:533:91//Hs.85844:X66397
        R-NT2RP3001432//ESTs//1.9e-102:523:95//Hs.132978:AI041374
55
        R-NT2RP3001447//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//5.1e-
        101:482:98//Hs.124135:AA910560
        R-NT2RP3001449//ESTs//2.2e-99:502:96//Hs.7834:N45994
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R-NT2RP3001453//Small inducible cytokine A5 (RANTES)//8.1e-45:295:85//Hs.155464:AF088219

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R-NT2RP3001457//ESTS//1.5e-52:256:99//Hs.117982:AA644658
         R-NT2RP3001459//ESTs//3.4e-62:299:99//Hs.146098:AA167280
         R-NT2RP3001472//ESTs//4.8e-108:540:96//Hs.69594:N37009
         R-NT2RP3001490//ESTs//3.5e-91:549:88//Hs.6606:AA211783
 5
         R-NT2RP3001495//Human oxidoreductase (HHCMA56) mRNA, complete cds//1.4e-61:338:93//Hs.519:U13395
         R-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds//
         6.8e-112:549:9711Hs.28285;AF064801
         R-NT2RP3001527//ESTs//4.4e-105:543:95//Hs.158761:AA631047
         R-NT2RP3001529//Homo sapiens tapasin (NGS-17) mRNA, complete cds//7.9e-59:427:83//Hs.5247:AF029750
10
         R-NT2RP3001538//ESTs//1.6e-94:521:92//Hs.6846:AA209463
         R-NT2RP3001554//ESTs, Moderately similar to NEURAXIN [Rattus norvegicus]//2.8e-76:392:95//Hs.66048:
         AA524416
         R-NT2RP3001580//ESTs//3.7e-82:398:98//Hs.23490:N49477
         R-NT2RP3001587//Homa sapiens mRNA for HRIHFB2115, partial cds//1.8e-09:86:88//Hs.4311:AB015337
15
         R-NT2RP3001589//ESTs//0.0029:243:62//Hs.158924:AA605194
         R-NT2RP3001607//EST//0.00096:76:78//Hs.140319:AA748328
         R-NT2RP3001608//ESTs//3.8e-105:525:96//Hs.144655:AI279798
         R-NT2RP3001621//ESTs//3.3e-108:535:97//Hs.47378:AI193598
         R-NT2RP3001629
20
         R-NT2RP3001634//Homo sapiens TRIAD1 type I mRNA, complete cds//2.7e-109:541:96//Hs.9899:AF099149
         R-NT2RP3001642//ESTs//6.0e-105:525:96//Hs.3376:AA915989
         R-NT2RP3001646//ESTs//4.8e-95:523:92//Hs.64036:AA127709
         R-NT2RP3001671//ESTs//0.0013:367:60//Hs.106090:AA457030
         R-NT2RP3001672//ESTs//3.4e-37:191:98//Hs.57475:Al382189
25
         R-NT2RP3001676//ESTs//1.5e-81:408:97//Hs.142547:N67648
         R-NT2RP3001678//ESTs//4.3e-85:405:99//Hs.121915:Al268225
         R-NT2RP3001679//ESTs//3.4e-100:545:93//Hs.5943:AI222558
         R-NT2RP3001688//Human mRNA for KIAA0392 gene, partial cds//8.6e-46:301:87//Hs.40100:AB002390
         R-NT2RP3001690//ESTs//3.3e-111:542:97//Hs.86149:AI341312
         R-NT2RP3001708//ESTs//1.4e-96:349:95//Hs.17975:AA868618
30
         R-NT2RP3001712//ESTs//9.3e-14:102:92//Hs.78041:N29669
         R-NT2RP3001716//ESTs, Highly similar to BONE MORPHOGENETIC PROTEIN 1 PRECURSOR [Mus musculus]
         //4.1e-80:444:91//Hs.6823:W18181
         R-NT2RP3001724//ESTs//1.8e-109:547:96//Hs.14570:AI422099
35
         R-NT2RP3001730//ESTs//4.1e-98:528:92//Hs.155115:AA669923
         R-NT2RP3001739//ESTs//4.4e-87:444:94//Hs.27239:W27810
         R-NT2RP3001752//ESTS//6.1e-93:490:94//Hs.4210:AA740440
         R-NT2RP3001753//ESTs//2.5e-82:395:99//Hs.126435:AA912968
         R-NT2RP3001764//ESTs, Weakly similar to protein-tyrosine phosphatase [H.sapiens]//1.2e-87:450:96//Hs.20281:
40
         N92517
         R-NT2RP3001777//ESTs//1.1e-86:360:97//Hs.100530:H06725
         R-NT2RP3001782//Homo sapiens mRNA for KIAA0459 protein, partial cds//4.2e-113:549:97//Hs.28169:
         AB007928
         R-NT2RP3001792//ESTs, Weakly similar to F35C12.2 [C.elegans]//1.1e-21:119:99//Hs.44268:AA455900
45
         R-NT2RP3001799//OX40L RECEPTOR PRECURSOR//2.8e-45:374:79//Hs.129780:X75962
         R-NT2RP3001819//ESTs//2.6e-87:432:96//Hs.10414:AI291292
         R-NT2RP3001844//ESTs//0.024:128:67//Hs.25131:N50117
         R-NT2RP3001854//ESTs//1.4e-92:490:92//Hs.15165:N52900
         R-NT2RP3001855//ESTs//1.9e-66:361:93//Hs.10043:D81792
50
         R-NT2RP3001896//ESTs//1.4e-96:343:97//Hs.24809:N73642
         R-NT2RP3001898//ESTs//4.1e-90:515:91//Hs.4867:AA521180
         R-NT2RP3001915//ESTs//4.4e-32:175:95//Hs.24641:AA954666
         R-NT2RP3001926//ESTs, Highly similar to NUCLEOLYSIN TIA-1 [Homo sapiens]//1.0e-40:202:100//Hs.24709:
         R-NT2RP3001929//ESTs//6.6e-84:449:94//Hs.26962:AA682781
55
         R-NT2RP3001931//ESTs//1.0e-41:214:99//Hs.32360:AA534737
         R-NT2RP3001938//ESTs, Highly similar to SPORULATION-SPECIFIC PROTEIN 1 [Saccharomyces cerevisiae]
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//1.3e-95:483:96//Hs.5771:W74591

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R-NT2RP3001943//ESTs//1.2e-23:169:88//Hs.103930:AA160990
        R-NT2RP3001944//ESTs//2.0e-90:439:97//Hs.103380:Al291325
        R-NT2RP3001969//ESTs//0.95:133:65//Hs.131669:AI025889
        R-NT2RP3001989//ESTS, Weakly similar to C01A2.4 [C.elegans]//8.9e-64:310:99//Hs.11449:Al201540
        R-NT2RP3002002//ESTs//2.1e-95:562:89//Hs.5997:AA897088
        R-NT2RP3002004//H.sapiens mRNA for FAST kinase//1.6e-42:335:82//Hs.75087:X86779
        R-NT2RP3002007//ESTs//0.12:184:66//Hs.94030:AA846729
        R-NT2RP3002014//Small inducible cytokine A5 (RANTES)//6.8e-47:291:89//Hs.155464:AF088219
        R-NT2RP3002033
        R-NT2RP3002045//ESTs//1.0e-92:555:88//Hs.106411:W29081
10
        R-NT2RP3002054//EST//0.45:155:63//Hs.5656:D20426
        R-NT2RP3002056//ESTs//1.4e.95:504:93//Hs.17428:AI365221
        R-NT2RP3002057//Human mRNA for KIAA0152 gene, complete cds//0.69:127:66//Hs.90438:D63486
        R-NT2RP3002062
15
        R-nnnnnnnnnn//ESTs//2.1e-113:552:97//Hs.9591:AA069657
        R-NT2RP3002081//ESTs//5.5e-43:212:100//Hs.124852:AA969139
        R-NT2RP3002097//EST//2.3e-10:80:91//Hs.102717:N59148
        R-NT2RP3002102
        R-NT2RP3002108
        R-NT2RP3002146//ESTs//5.5e-58:296:97//Hs.65328:AA625385
20
        R-NT2RP3002147//EST//2.5e-53:387:81//Hs.147928:M249703
        R-NT2RP3002151//ESTs, Highly similar to G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG [Homo sapi-
        ens]//6.2e-107:534:96//Hs.59523:AA602837
        R-NT2RP3002163//ESTs//2.7e-106:520:97//Hs.21258:AA412293
25
        R-NT2RP3002165//ESTs//7.4e-93:479:95//Hs.27299:AI074024
        R-NT2RP3002166//ESTs//1.0:261:59//Hs.132817:AA593713
        R-NT2RP3002173//ESTs//2.7e-93:512:92//Hs.23648:H07120
        R-NT2RP3002181//ESTs//1.0e-84:435:96//Hs.47378:AI193598
        R-NT2RP3002244//ESTs//2.7e-11:97:89//Hs.9412:W72446
30
        R-NT2RP3002248//ESTs//4.3e-90:459:95//Hs.9848:AA130588
        R-NT2RP3002255//ESTs//1.3e-45:289:88//Hs.9100:AA431672
        R-NT2RP3002273//ESTs//2.3e-100:489:97//Hs.8258:AA744743
        R-NT2RP3002276//ESTs//1.2e-50:306:91//Hs.16160:AA778171
        R-NT2RP3002303//ESTs//1.1e-67:323:99//Hs.129761:AA836898
35
        R-NT2RP3002304//ESTs//2.8e-86:405:99//Hs.29643:AA418500
        R-NT2RP3002330//ESTs, Weakly similar to G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG [H.sapiens]
        //1.8e-19:136:87//Hs.106928:AI041737
         R-NT2RP3002343//ESTs//1.0e-42:260:93//Hs.7797:W25667
         R-NT2RP3002351//Homo sapiens 9G8 splicing factor mRNA, complete cds//0.0048:221:64//Hs.556:L41887
40
        R-NT2RP3002352//Homo sapiens mRNA for protein encoded by cxorf5 (71-7A) gene//5.8e-105:516:94//Hs.6483:
        Y16355
        R-NT2RP3002455//Homo sapiens mRNA for KIAA0678 protein, partial cds//1.5e-103:524:95//Hs.12707:
        AB014578
        R-NT2RP3002484//Human APRT gene for adenine phosphoribosyltransferase//0.54:108:71//Hs.28914:Y00486
45
         R-NT2RP3002501//ESTs//2.7e-96:489:95//Hs.27335:N74185
         R-NT2RP3002512//ESTs, Weakly similar to HYPOTHETICAL 31.0 KD PROTEIN R107.2 IN CHROMOSOME III
         [C.elegans]//3.2e-90:526:90//Hs.8083:AA521436
         R-NT2RP3002529//ESTs, Highly similar to PUTATIVE VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN
         C2G11.03C [Schizosaccharomyces pombe]//3.8e-101:497:96//Hs.6650:AA843246
50
         R-NT2RP3002545//Homo sapiens mRNA for KIAA0729 protein, partial cds//1.1e-83:438:94//Hs.19542:AB018272
         R-NT2RP3002549//ESTs//3.8e-98:493:96//Hs.7358:AA191673
         R-NT2RP3002566//Homo sapiens calcium-activated potassium channel (KCNN3) mRNA, complete cds//0.14:
         184:63//Hs.89230:AF031815
         R-NT2RP3002587//Homo sapiens KIAA0420 mRNA, complete cds//2.0e-18:138:78//Hs.129883:AB007880
55
         R-NT2RP3002590//ESTs//2.9e-51:290:93//Hs.162942:AI243850
         R-NT2RP3002602//Homo sapiens stannin mRNA, complete cds//5.5e-06:58:100//Hs.76691:AF070673
         R-NT2RP3002603
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R-NT2RP3002631//ESTs//4.8e-54:367:85//Hs.13109:AA192514

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R-NT2RP3002659//ESTs//5.3e-30:229:85//Hs.152114:AA401365
         R-NT2RP3002660//ESTs//1.9e-88:452:95//Hs.120146;AA708573
         R-NT2RP3002663//EST//3.2e-89:469:95//Hs.105767:AA525172
         R-NT2RP3002671//ESTs, Highly similar to ELONGATION FACTOR 2 [Drosophila melanogaster]//5.9e-109:537:
 5
         97//Hs.19348;AA151678
         R-NT2RP3002682//ESTs//2.3e-98:541:91//Hs.75844:AA115502
         R-NT2RP3002687//ESTs//5.5e-103:498:97//Hs.72782:AA910871
         R-NT2RP3002688//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//5.0e-101:
         524:95//Hs.32580:AI123601
10
         R-NT2RP3002701//EST//0.87:131:63//Hs.161916:AA483169
         R-NT2RP3002713//ESTs//4.7e-106:542:95//Hs.14479:AA160945
         R-NT2RP3002763//ESTs//1.3e-54:290:94//Hs.142031:AA809159
         R-NT2RP3002770//ESTs//0.047:275:61//Hs.122984:AA526973
         R-NT2RP3002785//ESTs//2.4e-52:255:99//Hs.132959:AI376958
         R-NT2RP3002799//EST//8.2e-61:321:94//Hs.140992:R71377
15
         R-NT2RP3002810//EST//0.19:116:68//Hs.121810:AA775240
         R-NT2RP3002818//ESTs//1.3e-109:531:98//Hs.58924:AI348080
         R-NT2RP3002861//ESTs//2.5e-84:429:95//Hs.23920:AA909678
         R-NT2RP3002869//EST//0.00011:116:71//Hs.161606:AA019641
20
         R-NT2RP3002876//ESTs//0.0024:182:63//Hs.117306:AA687262
         R-NT2RP3002877//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds//
         8.1e-14:146:72//Hs.129727:AF035587
         R-NT2RP3002909//Homo sapiens mRNA for KIAA0771 protein, partial cds//1.5e-110:570:95//Hs.6162:AB018314
         R-NT2RP3002911//ESTs//3.6e-92:436:99//Hs.143917:Al206286
25
         R-NT2RP3002948//EST//1.0:102:65//Hs.144730:AI191975
         R-NT2RP3002953//ESTs//1.8e-107:513:98//Hs.119693:AI201698
         R-NT2RP3002955//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0492//0.23:563:56//Hs.127338:
         AB007961
         R-NT2RP3002969//ESTS, Weakly similar to LONG-CHAIN-FATTY-ACID-COA LIGASE 1 [Saccharomyces cere-
30
         visiae]112.0e-56:387:86//Hs.144597:W20143
         R-NT2RP3002972//ESTs//1.7e-97:502:96//Hs.7274:AA476850
         R-NT2RP3002978//ESTs//8.6e-104:498:98//Hs.118923:AA252116
         R-NT2RP3002988//EST//1.2e-59:315:94//Hs.157743:AI360553
         R-NT2RP3003008//ESTs//1.4e-97:515:94//Hs.6544:AA524423
35
         R-NT2RP3003032//ESTs, Weakly similar to RETROVIRUS-RELATED POL POLYPROTEIN [Mus musculus]//
         3.0e-100:528:94//Hs.90353;N98551
         R-NT2RP3003059//ESTs//1.7e-76:398:95//Hs.102971:W05355
         R-NT2RP3003061//ESTs//4.9e-82:414:96//Hs.99603:AI141912
         R-NT2RP3003068//ESTs, Weakly similar to M18.3 [C.elegans]//5.9e-83:392:99//Hs.101364:AA534439
40
         R-NT2RP3003071//ESTs//6.3e-85:399:99//Hs.109755:AA180809
         R-NT2RP3003078//ESTs//1.0e-98:471:99//Hs.7995:AI359466
         R-NT2RP3003101//EST//0.032;235;60//Hs.147920;Al202441
        R-NT2RP3003121//ESTs//3.0e-47:238:97//Hs.43559:AI003520
        R-NT2RP3003133//EST//1.5e-77:395:96//Hs.142150:AA223982
45
        R-NT2RP3003138//ESTs, Highly similar to KINESIN-LIKE PROTEIN KIF4 [Mus musculus]//3.3e-107:535:96//Hs.
        27437:AA004208
        R-NT2RP3003139//ESTs//2.5e-106:504:98//Hs.106795:AI271632
        R-NT2RP3003150//ESTs//1.6e.99:539:91//Hs.46500:AA129774
        R-NT2RP3003157//ESTs//1.5e-114:563:97//Hs.58608:AA081007
        R-NT2RP3003185//ESTs//3.9e-93:443:98//Hs.9741:AI131226
        R-NT2RP3003193//ESTs//2.0e-37:428:71//Hs.33354:AA179944
        R-NT2RP3003197//ESTs//5.8e-56:312:94//Hs.7016:AA215796
        R-NT2RP3003203//EST//0.0073:212:63//Hs.161355:AI422634
        R-NT2RP3003204//ESTs//7.4e-52:253:99//Hs.120146:AA708573
        R-NT2RP3003212//ESTs//1.8e-76:401:95//Hs.29067:N26107
        R-NT2RP3003230//ESTs, Highly similar to CORONIN [Dictyostelium discoideum]//2.0e-40:229:93//Hs.17377:
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R-NT2RP3003242//ESTs//8.3e-97:458:99//Hs.23057:AI290343

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AI078151

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R-NT2RP3003251//ESTs//1.5e-60:320:95//Hs.36495:AA151628
        R-NT2RP3003264//ESTs//2.1e-103:521:95//Hs.4094:AA173960
        R-NT2RP3003278//ESTs//8.2e-109:536:96//Hs.23788:AA524061
        R-NT2RP3003282//Homo sapiens dynamin (DNM) mRNA, complete cds//2.4e-102:550:93//Hs.11702:L36983
5
        R-NT2RP3003290//EST//4.3e-27:372:70//Hs.159131:Al384035
        R-NT2RP3003301//ESTs//4.4e-56:285:97//Hs.95370:AA601055
        R-NT2RP3003302//EST//7.2e-10:395:63//Hs.162554:AA584818
        R-NT2RP3003311//ESTs//4.2e-110:538:97//Hs.62180:AI341261
        R-NT2RP3003313//ESTs//2.1e-106:531:96//Hs.22630:C05931
10
        R-NT2RP3003327//ESTs//4.3e-102:518:95//Hs.120355:AA625445
        R-NT2RP3003330//ESTs//8.6e-104:497:97//Hs.72071:AI125289
        R-NT2RP3003344//ESTs//2.5e-105:494:99//Hs112188:AA872993
        R-NT2RP3003346//ESTs//1.0:123:69//Hs.116029:AA813102
        R-NT2RP3003353//EST//0.0014:162:68//Hs.149191:AI246155
15
        R-NT2RP3003377//EST//4.5e-15:119:85//Hs.148129:AA885567
        R-NT2RP3003384//EST//0.0057:86:74//Hs.127735:AA962272
        R-NT2RP3003385//ESTs//0.64:347:59//Hs.5646:W72721
        R-NT2RP3003403//ESTs, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [H.sapiens]//2.2e-
        24:418:67//Hs.139488:AI124095
        R-NT2RP3003409//ESTs//5.3e-98:479:97//Hs.155198:AA767372
20
        R-NT2RP3003411//ESTs//4.8e-86:416:97//Hs.129059:AA126041
        R-NT2RP3003427//ESTs//7.4e-103:510:96//Hs.25303:AA641023
        R-NT2RP3003433//ESTs//3.5e-85:405:99//Hs.63131:AA664156
        R-NT2RP3003464//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds//3.6e-97:479:96//Hs.14934:
25
        AF004828
        R-NT2RP3003490//Homo sapiens mRNA for KIAA0725 protein, partial cds//4.1e-102:527:93//Hs.26450:
        AB018268
        R-NT2RP3003491//ESTs, Weakly similar to No definition line found [C.elegans]//4.0e-106:549:94//Hs.7886:
30
        R-NT2RP3003500//Human RP3 mRNA, complete cds//0.66:401:60//Hs.75307:U02556
        R-NT2RP3003543//Human clone A9A2BRB7 (CAC)n/(GTG)n repeat-containing mRNA//4.1e-33:217:88//Hs.
        8068:U00952
        R-NT2RP3003552//ESTs//3.1e-106:546:94//Hs.101754:AI123430
        R-NT2RP3003555//ESTs//3.4e-106:537:95//Hs.85550:AA187681
35
        R-NT2RP3003564
        R-NT2RP3003572//ESTs//1.2e-20:122:88//Hs.8253:N48721
        R-NT2RP3003576//ESTs//2.7e-71:394:94//Hs.151136:R99944
        R-NT2RP3003589//EST//0.58:242:59//Hs.130804:AA894759
        R-NT2RP3003625//ESTs//7.6e-41:349:80//Hs.140608:N53448
40
        R-NT2RP3003656//Human LIM protein (LPP) rnRNA, partial cds//0.26;222:60//Hs.17217;U49957
        R-NT2RP3003659//ESTs//2.0e-113:547:97//Hs.23389:AA769310
        R-NT2RP3003665//ESTs//1.6e-80:415:95//Hs.141084:H11714
        R-NT2RP3003672
        R-NT2RP3003686//ESTs//6.8e-114:552:97//Hs.43299:N23036
        R-NT2RP3003701//ESTs//2.1e-16:282:66//Hs.115512:AI208768
45
        R-NT2RP3003716//ESTs//2.1e-45:195:91//Hs.41296:N71923
         R-NT2RP3003726//Homo sapiens mRNA for KIAA0757 protein, complete cds//5.6e-103:492:97//Hs.48513:
         AB018300
         R-NT2RP3003746//ESTs//1.9e-85:411:98//Hs.54835:AI050863
         R-NT2RP3003795//EST//6.2e-97:459:99//Hs.134769:AI089747
50
         R-NT2RP3003799//ESTs//2.8e-62:337:94//Hs.124023:H18913
        R-NT2RP3003800//PROTO-ONCOGENE TYRO SINE-PROTEIN KINASE SRC//8.9e-108:551:95//Hs.115742:
         AF077754
         R-NT2RP3003805//ESTs//2.2e-103:490:99//Hs.9412;W72446
55
         R-NT2RP3003809//ESTs, Highly similar to SAV PROTEIN [Sulfolobus acidocaldarius]//3.4e-89:456:95//Hs.5555:
         AI285198
         R-NT2RP3003819//Interieukin 10//3.3e-43:173:89//Hs.2180:M57627
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R-NT2RP3003825//ESTs//1.6e-66:485:80//Hs.7405;W27761

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R-NT2RP3003828//ESTs, Weakly similar to unknown.[H.sapiens]//9.6e-98:511:95//Hs.26955:Al333224
        R-NT2RP3003831//ESTs//2.2e-38:317:79//Hs.142173:AA757743
        R-NT2RP3003833//Homo sapiens clones 24718 and 24825 mRNA sequence//5.2e-110:541:97//Hs.25300:
        AF070611
5
        R-NT2RP3003842//EST//9.9e-44:506:70//Hs.139093:AA166888
        R-NT2RP3003846//ESTs//4.6e-10:66:100//Hs.74924:Al332962
        R-NT2RP3003870//ESTs//3.4e-82:449:92//Hs.122691:AA152298
        R-NT2RP3003876//ESTs//1.9e-89:449:96//Hs.45046:N40170
        R-NT2RP3003914//ESTs//1.3e-99:470:98//Hs.118966:AA926726
10
        R-NT2RP3003918//ESTs//1.3e-79:417:94//Hs.5005:W25933
        R-NT2RP3003932//ESTs//6.0e-83:427:94//Hs.93581:H50221
        R-NT2RP3003989//ESTs//4.8e-76:403:93//Hs.127243:W80409
        R-NT2RP3003992//ESTs//2.4e-88:508:90//Hs.134200:D19593
        R-NT2RP3 004013//ESTs//3.7e-111:551:97//Hs.105108:AA781142
15
        R-NT2RP3004016//ESTs//1.7e-81:394:98//Hs.63368:AA613714
        R-NT2RP3004041
        R-NT2RP3004051//ESTs//3.5e-69:386:93//Hs.51347:T72820
        R-NT2RP3004070//ESTs//5.5e-108:552:9511Hs.23392:Al310139
        R-NT2RP3004078//ESTs//3.3e-82:443:93//Hs.26407:W4537
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        R-NT2RP3004093//ESTs//4.4e-83:426:94//Hs,140932:AI262104
        R-NT2RP3004095//ESTs//0.00013:93:78//Hs.36567:AA262045
        R-NT2RP3004110//ESTs, Weakly similar to similar to oxysterol-binding proteins: partial CDS [C.elegans]//3.5e-
        76:402:95//Hs.55847:W31092
        R-NT2RP3004125//ESTs//9.3e-74:363:97//Hs.32988:C01696
25
        R-NT2RP3004145//ESTs//2.6e-96:451:99//Hs.59584:AA587334
        R-NT2RP3004148//ESTs//1.3e-10:77:92//Hs.135890:AI183425
        R-NT2RP3004155//ESTS//1.7e-110:558:96//Hs.27003:AI279093
        R-NT2RP3004206//ESTs, Moderately similar to CROOKED NECK PROTEIN [Drosophila melanogaster]//1.8e-40:
        200:100//Hs.26089:AA195126
30
        R-NT2RP3004207//ESTs, Weakly similar to gene SEZ-6 [M.musculus]//1.1e-41:266:89//Hs.6314:AA522619
        R-NT2RP3004209//ESTs, Highly similar to PUTATIVE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE
        C13A11.04C [Schizosaccharomyces pombe]//3.7e-112:547:97//Hs.99819:Al346680
        R-NT2RP3004215//ESTs//1.1e-103:541:95//Hs.124918:N64794
        R-NT2RP3004242//ESTs//4.5e-105:524:96//Hs.29724:N46252
35
        R-NT2RP3004246//EST//1.9e-07:67:91//Hs.125687:AA884827
        R-NT2RP3004253//EST//2.9e-88:454:94//Hs.127713:AA961628
        R-NT2RP3004258//ESTs, Weakly similar to PRE-MRNA SPLICING FACTOR SRP75 [Homo sapiens]//1.6e-89:
        468:95//Hs.5117:AA831530
        R-NT2RP3004262//ESTs//4.1e-86:443:96//Hs.101393:T87623
40
        R-NT2RP3004334//EST//0.00057:206:63//Hs.149388:AI273630
        R-NT2RP3004341//EST//0.00042:151:68//Hs.148498:AI200264
        R-NT2RP3004348//Homo sapiens LIM protein mRNA, complete cds//5.9e-61:299:85//Hs.154103:AF061258
        R-NT2RP3004349//EST//3.6e-42:175:88//Hs.161917:AA483223
        R-NT2RP3004378//ESTs//0.27:294:60//Hs.66479:AA863044
        R-NT2RP3004399//ESTs//5.8e-99:479:98//Hs.120234:AA732224
45
        R-NT2RP3004424//EST, Highly similar to F21G4.6 [C.elegans]//0.30:253:58//Hs.97184:AA385934
        R-NT2RP3004428//ESTs//2.8e-48:279:91//Hs.106826:W25985
        R-NT2RP3004451//ESTs//4.8e-101:509:96//Hs.29725:W74621
        R-NT2RP3004454//Homo sapiens mRNA for KIAA0448 protein, complete cds//9.3e-108:526:98//Hs.27349:
50
        R-NT2RP3004466//ESTs//0.25:51:90//Hs.7778:AA195616
        R-NT2RP3004470//EST//0.032:70:71//Hs.147925:AI249332
        R-NT2RP3004472//ESTs//0.0069:430:59//Hs.116651:AA993406
        R-NT2RP3004475//Homo sapiens mRNA for KIAA0456 protein, partial cds//5.0e-107:521:97//Hs.5003:AB007925
55
        R-NT2RP3004480
        R-NT2RP3004490//ESTs//4.7e-68:354:95//Hs.163721:H42504
        R-NT2RP3004498//ESTs, Moderately similar to ORF2: function unknown [H.sapiens]//3.4e-100:508:95//Hs.
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47393:AA218858

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R-NT2RP3004503//ESTs//4.6e-90:478:93//Hs.133998:AA994735
R-NT2RP3004504//ESTs, Highly similar to cytoplasmic polyadenylation element-binding protein [M.musculus]//
1.8e-83:465:92//Hs.137064:AA318257
R-NT2RP3004507//ESTs//1.5e-98:495:96//Hs.128905:AI051971
R-NT2RP3004527//EST//1.6e-109:535:97//Hs.149481:AI279865
R-nnnnnnnnnnnn
R-NT2RP3004544//EST//0.035:226:60//Hs.99195:AA449232
R-NT2RP3004566//ESTs//4.1e-86;455:95//Hs.13110:T67461
R-NT2RP3004569//ESTs//2.9e-94:493:94//Hs.24948:AA977674
R-NT2RP3004572//ESTs//1.1e-92:437:99//Hs.24846:AI420493
R-NT2RP3004578//ESTs//0.98:166:64//Hs.124593:AA854456
R-NT2RP3004594//EST//5.8e-89:426:98//Hs.134213:AI080213
R-NT2RP3004617//ESTs//1.4e-40:226:85//Hs.15921:R71157
R-NT2RP3004618//ESTs//1.8e-38:229:90//Hs.125153;AA453723
R-NT2RP3004670//Homo sapiens GN6ST mRNA for long form of N-acetylglucosamine-6-O-sulfotransferase
(GlcNAc6ST), complete cds//7.2e-57:291:95//Hs.8786:AB014680
R-NT2RP4000008//ESTs//8.9e-119:561:98//Hs.25035:AI123335
R-NT2RP4000023//EST//1.2e-34:271:80//Hs.98300:AA418560
R-NT2RP4000035//Small inducible cytokine A5 (RANTES)//2.1e-68:320:82//Hs.155464:AF088219
R-NT2RP4000049//Homo sapiens TRAIL receptor 2 mRNA, complete cds//6.7e-60;289:82//Hs.51233:AF016266
R-NT2RP4000051//ESTs, Weakly similar to protein B [H.sapiens]//8.3e-98:462:99//Hs.10114:Al345945
R-NT2RP4000078//ESTs//0.00068:367:60//Hs.106090:AA457030
R-NT2RP4000102//ESTs//9.7e-50:256:97//Hs.24266:R28287
R-NT2RP4000109//Homo sapiens mRNA for MEGF5, partial cds//1.1e-107:536:96//Hs.57929:AB011538
R-NT2RP4000129//Homo sapiens mRNA for KIAA0483 protein, partial cds//3.5e-112:554:97//Hs.64691:
AB007952
R-NT2RP4000147//ESTs//3.9e-11:122:80//Hs.25584:AA632014
R-NT2RP4000150//EST//4.4e-84:510:88//Hs.144238:W52294
R-NT2RP4000151//ESTs, Weakly similar to HYPOTHETICAL 31.0 KD PROTEIN R107.2 IN CHROMOSOME III
[C.elegans]//5.7e-93:515:92//Hs.8083:AA521436
R-NT2RP4000159//ESTs//0.0019:209:65//Hs.161816:AA400295
R-NT2RP4000167//ESTs//2.1e-113:549:97//Hs.109441:N66569
R-NT2RP4000185//ESTs//0.65:232:59//Hs.144445;AA807257
R-NT2RP4000210//Homo sapiens mRNA for KIAA0700 protein, partial cds//1.5e-100:505:96//Hs.13999:
AB014600
R-NT2RP4000212//ESTs//8.5e-14:169:75//Hs.8520:AA081788
R-NT2RP4000214//Human mRNA for KIAA0392 gene, partial cds//6.2e-43:272:90//Hs.40100:AB002390
R-NT2RP4000218//ESTs//6.1e-10:335:64//Hs.105658:AA978185
R-NT2RP4000243//Homo sapiens mRNA for cartilage-associated protein (CASP)//2.9e-70:354:96//Hs.155481:
R-NT2RP4000246//ESTs//7.1e-26:154:94//Hs.14838:AA502757
R-NT2RP4000259//Homo sapiens clone 683 unknown mRNA, complete sequence//9.3e-79:379:99//Hs.43728:
AF091092
R-NT2RP4000263
R-nnnnnnnnnn/ESTs, Weakly similar to similar to Achlya ambisexualis antheridiol steroid receptor [C.elegans]
//4.7e-104:525:96//Hs.152069;AA548972
R-NT2RP4000312//ESTs//8.2e-66:319:99//Hs.35091;Al271631
R-NT2RP4000321//Homo sapiens clone 24453 mRNA sequence//1.3e-109:513:99//Hs.13410:AF070524
R-NT2RP4000323//ESTs//7.7e-109:534:97//Hs.34790:AA192760
R-NT2RP4000355//ESTs//3.1e-44:320:83//Hs.141323:N80390
R-NT2RP4000360//Homo sapiens mRNA for KIAA0738 protein, complete cds//7.6e-111:520:99//Hs.107479:
R-NT2RP4000367//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds//2.8e-
110:527:98//Hs.31323:AF044195
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R-NT2RP4000370//ESTs//8.9e-32:166:98//Hs.70488:Al301130 55 R-NT2RP4000376//ESTs//6.8e-99:465:99//Hs.27182:AA604498 R-NT2RP4000381//ESTs//3.0e-50:280:93//Hs.8395:W27376 R-NT2RP4000415//ESTs, Weakly similar to coded for by C. elegans cDNA yk30b3.5 [C.elegans]//3.9e-87:499:

|    | 91//Hs.26156:AA630975  |
|----|--|
|    | R-NT2RP4000417//ESTs, Moderately similar to HYPOTHETICAL 91.2 KD PROTEIN IN RPS7A-SCH9 INTER-  |
|    | GENIC REGION [Saccharomyces cerevisiae]//8.9e-95:468:96//Hs.93871:AI191318   |
|    | R-NT2RP4000424//ESTs//3.7e-98:473:98//Hs.24945:AI189011  |
| 5  | R-NT2RP4000448//ESTs//2.6e-79:446:91//Hs.25159:R60955  |
|    | R-NT2RP4000449//ESTs//3.6e-98:468:98//Hs.31176:AI037953  |
|    | R-NT2RP4000455//Homo sapiens N-methyl-D-aspartate receptor 2D subunit precursor (NMDAR2D) mRNA, com-                                 |
|    | plete cds//0.35:153:63//Hs.113286:U77783   |
| 10 | R-nnnnnnnnn/ESTs//4.5e-89:455:96//Hs.62638:AA127740  |
| 10 | R-NT2RP4000480//ESTs//4.9e-92:431:99//Hs.121072:Al204167   |
|    | R-nnnnnnnnnn   |
|    | R-NT2RP4000500//ESTs, Weakly similar to HYPOTHETICAL 83.6 KD PROTEIN R05D3.2 IN CHROMOSOME II  |
|    | [C.elegans]//1.2e-40:125:97//Hs.56124:Al424792<br>R-NT2RP4000515//EST//6.7e-30:183:90//Hs.150710:Al122713                            |
| 15 | R-NT2RP4000513//E31//6.7e-30.163.90//hs.130710.Al122713<br>R-NT2RP4000517//Aldehyde dehydrogenase 7//7.5e-28:183:76//Hs.83155:U10868 |
|    | R-NT2RP4000518//EST//0.091:178:58//Hs.133031:AI049874  |
|    | R-NT2RP4000519   |
|    | R-NT2RP4000524//ESTS, Highly similar to rsec8 [R.norvegicus]//3.4e-93:496:93//Hs.107394:H07126                                       |
|    | R-NT2RP4000528//EST//0.84:130:66//Hs.140208:AA702213   |
| 20 | R-NT2RP4000541//EST//5.2e-63:337:94//Hs.156337:Al337328  |
|    | R-NT2RP4000556//ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L11 [R.norvegicus]//8.2e-92:448:98//Hs                                 |
|    | 25597:H93026   |
|    | R-NT2RP4000588//ESTs//3.8e-94:445:98//Hs.44077:N28840  |
|    | R-NT2RP4000614//ESTs//6.5e-18:159:83//Hs.24549:N57263  |
| 25 | R-NT2RP4000638//ESTs//2.5e-46:296:87//Hs.132722:AA618531   |
|    | R-NT2RP4000648//ESTs//2.6e-103:559:93//Hs.23794:W80393   |
|    | R-NT2RP4000657//ESTs//1.0:189:60//Hs.87073:AA972704  |
|    | R-NT2RP4000704//ESTs//2.8e-101:509:96//Hs.84824:AA935651   |
|    | R-NT2RP4000724//ESTS//1.5e-83:442:94//Hs.142114:AA205615   |
| 30 | R-NT2RP4000728//ESTs//0.84:61:75//Hs.145334:AI251399   |
|    | R-NT2RP4000739//ESTs//8.8e-80:418:94//Hs.42959:N21211  |
|    | R-NT2RP4000781//ESTs//1.4e-79:376:99//Hs.135458:Al081312   |
|    | R-NT2RP4000817//Homo sapiens mRNA for KIAA0470 protein, complete cds//3.1e-106:550:94//Hs.25132                                      |
| 25 | AB007939   |
| 35 | R-NT2RP4000833//ESTs//5.8e-46:309:85//Hs.163979:AA828834   |
|    | R-NT2RP4000837//ESTs//1.7e-112:539:97//Hs.97718:AI334028   |
|    | R-NT2RP4000855//ESTs//1.1e-95:486:95//Hs.5345:AA988104<br>R-NT2RP4000865//EST//6.2e-68:412:89//Hs.142196:AA258356                    |
|    | R-NT2RP4000878//ESTs//1.9e-80:417:95//Hs.104716:Al023185   |
| 40 | R-NT2RP4000879//ESTs//1.8e-42:211:99//Hs.89991:Al374617  |
|    | R-nnnnnnnnn//ESTs//1.2e-89:453:97//Hs.100182:N92594  |
|    | R-nnnnnnnn/EST//9.4e-06:197:63//Hs.145970:AI277106   |
|    | R-NT2RP4000925//ESTs, Weakly similar to KIAA0405 [H.sapiens]//5.9e-17:134:85//Hs.14146:W92235  |
|    | R-nnnnnnnn//ESTs//4.3e-14:84:100//Hs.155360:AA984683   |
| 45 | R-NT2RP4000928//Homo sapiens CDP-diacylglycerol synthase 2 (CDS2) mRNA, partial cds//8.2e-108:548:95//                               |
|    | Hs.24812:AF069532  |
|    | R-NT2RP4000929//ESTs//1.3e-119:567:98//Hs.62717:AA044905   |
|    | R-NT2RP4000955//ESTs//3.5e-10:I 19:78//Hs.42946:N21111   |
|    | R-NT2RP4000973//ESTs//2.8e-05:93:69//Hs.155126:AA563986  |
| 50 | R-NT2RP4000975//ESTs//4.4e-58:324:95//Hs.126070:AA045179   |
|    | R-NT2RP4000979//ESTs//3.5e-42:468:73//Hs.106210:Al193017   |
|    | R-NT2RP4000984//Homo sapiens clone 23770 mRNA sequence//8.7e-120:570:98//Hs.12457:AF052123   |
|    | R-NT2RP4000989//ESTs//1.3e-122:581:98//Hs.10499:AA528018   |
|    | R-NT2RP4000996//ESTs//9.2e-113:579:94//Hs.23762:N26620   |
| 55 | R-NT2RP4000997//Homo saniens neuronal thread protein AD7c-NTP mRNA_complete cds//1_1e-28:439:68//Hs                                  |

R-NT2RP4001006//ESTS, Moderately similar to ORF2: function unknown [H.sapiens]//6.6e-124:574:99//Hs.

129735:AF010144

R-NT2RP4001004//ESTs//3.6e-78:389:98//Hs.156290:AI016769

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47393:AA218858
         R-NT2RP4001010//EST//2.8e-31:194:90//Hs.161186:AI418635
         R-NT2RP4001029//ESTs//4.4e-111:523:99//Hs.28423:AI336292
         R-NT2RP4001041//ESTs, Highly similar to LEUCYL-TRNA SYNTHETASE, CYTOPLASMIC [Saccharomyces cer-
5
         evisiae]//3.6e-114:569:96//Hs.6762:AA088424
         R-NT2RP4001057//Homo sapiens KIAA0399 mRNA, partial cds//2.0e-51:282:94//Hs.100955:AB007859
         R-NT2RP4001064//ESTs, Weakly similar to protein B [H.sapiens]//2.1e-103:485:99//Hs.10114:AD45945
         R-NT2RP4001078
         R-NT2RP4001079//Homo sapiens mRNA for putative Ca2+-transporting ATPase, partial/1.7e-119:569:98//Hs.
10
         106778:AJ010953
         R-NT2RP4001080//ESTs//7.6e-10:65:100//Hs.131694:AA927668
         R-nnnnnnnnn/Homo sapiens mRNA for KIAA0592 protein, partial cds//5.9e-121:548:95//Hs.13273:AB011164
         R-NT2RP4001095//ESTs//1.5e-113:563:96//Hs.118732:AI344055
         R-NT2RP4001100//ESTs//2.0e-46:413:79//Hs.146314:R99617
15
         R-NT2RP4001117//EST//7.4e-51:294:92//Hs.7260:T23737
         R-NT2RP4001122//ESTs//5.4e-109:509:99//Hs.16390:AI052357
         R-NT2RP4001126//EST//0.97:169:61//Hs.148107:AA693476
         R-NT2RP4001138//ESTs//3.0e-110:543:97//Hs.57655:AI056890
         R-NT2RP4001143//ESTs, Highly similar to HYPOTHETICAL 52.9 KD PROTEIN IN SAP155-YMR31 INTERGENIC
20
         REGION [Saccharomyces cerevisiae]//5.4e-113:573:96//Hs.5249:U55977
         R-NT2RP4001148//ESTs//3.1e-103:490:98//Hs.121282:AI091453
         R-NT2RP4001149//EST//1.7e-50:281:93//Hs.101727:H16171
         R-NT2RP4001150//ESTS//1.9e-90:422:100//Hs.125490:AI138884
         R-NT2RP4001159
25
         R-NT2RP4001174//ESTs//2.5e-110:526:98//Hs.116555:AA639278
         R-nnnnnnnnn//ESTs//1.1 e-25:140:97//Hs.83756:Al002822
        R-NT2RP4001207//ESTs//4.4e-70:432:89//Hs.13109:AA192514
        R-NT2RP4001210//ESTs//1.4e-108:509:99//Hs.27021:AI359495
        R-NT2RP4001213//ESTs, Highly similar to ZINC FINGER PROTEIN 8 [Homo sapiens]//4.4e-123:624:95//Hs.
30
        22744:AI379892
        R-NT2RP4001219//ESTs//0.0043:142:65//Hs.6733;AI160750
        R-NT2RP4001228//ESTs//4.9e-101:482:98//Hs.62684:AA806103
        R-NT2RP4001235//ESTs//3.7e-105:571:93//Hs.37706:AA005120
        R-NT2RP4001256//ESTs//1.1e-12:189:74//Hs.20621;W28255
35
        R-NT2RP4001260//EST//6.9e-05:313:61//Hs.116438:AA648430
        R-NT2RP4001274//EST//0.0020:246:63//Hs.149955:AI289933
        R-nnnnnnnnn//ESTs//2.9e-34:213:91//Hs.43100:AA186588
        R-NT2RP4001313
        R-NT2RP4001315//EST//6.1e-38:217:93//Hs.97832:AA400892
        R-NT2RP4001339//ESTs//3.8e-91:430:99//Hs.34840:AI279612
40
        R-NT2RP4001345//ESTs//5.3e-89:443:96//Hs.6770:AA972732
        R-NT2RP4001351//ESTs//6.0e-78:394:97//Hs.102796:N70837
        R-NT2RP4001353//ESTs//4.8e-06:90:82//Hs.7778:AA195616
        R-NT2RP4001372
45
        R-NT2RP4001373//ESTs, Weakly similar to HYPOTHETICAL 48.8 KD PROTEIN IN TRK2-MRS4 INTERGENIC
        REGION [Saccharomyces cerevisiae]//1.7e-108:546:96//Hs.32271:AA203680
        R-NT2RP4001375//ESTs//2.4e-19:155:87//Hs.62119:AA043299
        R-NT2RP4001379//EST//4.4e-29:288:72//Hs.157848:AI362501
        R-NT2RP4001389//ESTs, Highly similar to HYPOTHETICAL 51.6 KD PROTEIN IN PAP1-MRPL13 INTERGENIC
50
        REGION [Saccharomyces cerevisiae]//3.8e-79:438:93//HS.21938:W81045
        R-NT2RP4001407//ESTs//8.3e-112:541:97//Hs.22587:AA743132
        R-NT2RP4001414//ESTs//8.6e-18:117:90//Hs.90789:W27649
        R-NT2RP4001433//ESTs, Moderately similar to PROHIBITIN [H.sapiens]//1.6e-102:498:97//Hs.62386:AA512948
        R-NT2RP4001442//ESTs//8.8e-104:489:99//Hs.101619:Al339433
55
        R-NT2RP4001447
        R-NT2RP4001474
        R-NT2RP4001483//ESTs//2.1e-100:528:92//Hs.17860:AA706655
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R-NT2RP4001498//ESTs//1.1e-97:470:98//Hs.95744:Al392846

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R-NT2RP4001502//ESTs//6.7e-73:382:96//Hs.11874:N93511
         R-NT2RP4001507//ESTs//2.6e-57:302:96//Hs.65328:AA625385
         R-NT2RP4001524//ESTs, Weakly similar to F13B12.1 [C.elegans]//2.9e-107:546:96//Hs.5570:Al377863
         R-NT2RP4001529//ESTs//3.3e-112:524:99//Hs.28423:Al336292
         R-NT2RP4001547//ESTs, Weakly similar to NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 [Paramecium
 5
         tetraurelia]//2.8e-120:566:98//Hs.108530:AA523928
         R-nnnnnnnnnn//ESTs, Weakly similar to CELL DIVISION CONTROL PROTEIN 68 [S.cerevisiae]//1.4e-26:184:
         88//Hs.136189:AA133224
         R-NT2RP4001555//ESTs//1.1e-95:445:100//Hs.134403;AA677552
10
         R-NT2RP4001567//ESTs//2.8e-106:506:98//Hs.102708:AA292285
         R-NT2RP4001568//ESTs//6.4e-55:300:94//Hs.57442:N63437
         R-NT2RP4001571//ESTs//1.3e-114:556:97//Hs.30340:AA521251
         R-NT2RP4001574//ESTs//0.0035:120:67//Hs.96339:AA225906
         R-NT2RP4001575
15
         R-NT2RP4001592//ESTs, Weakly similar to ISOLEUCYL-TRNA SYNTHETASE, MITOCHONDRIAL[S.cerevisiae]
         //8.7e-112:557:97//Hs.7558:AA526812
         R-NT2RP4001610//ESTs//6.2e-77:382:96//Hs.21543:AA166776
         R-NT2RP4001614//ESTs//2.8e-117:565:98//Hs.9591:AA069657
         R-NT2RP4001634//ESTs//2.0e-39:213:96//Hs.32360:AA534737
20
         R-NT2RP4001638//Homo sapiens clone 23967 unknown mRNA, partial cds//1.7e-116:559:97//Hs.5332:
         AF007151
         R-NT2RP4001644//ESTs, Moderately similar to MNK1 [H.sapiens]//5.3e-36:192:97//Hs.5662:AA868361
         R-NT2RP4001656//ESTs, Highly similar to HYPOTHETICAL 108.5 KD PROTEIN R06F6.2 IN CHROMOSOME II
         [Caenorhabditis elegans]//1.1e-104:525:96//Hs.20472:W28734
25
         R-NT2RP4001677//ESTs//1.8e-106:522:97//Hs.106390:AA156805
         R-NT2RP4001696//Human chromosome 8 BAC clone CIT987SK-2A8 complete sequence//5.7e-118:583:96//Hs.
         15562:U96629
         R-NT2RP4001725//ESTs//2.0e-11:141:74//Hs.117589:N25941
         R-nnnnnnnnnn//ESTs, Weakly similar to UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRE-
        CURSOR [D.melanogaster]//3.4e-73:362:97//Hs.152332:AI141922
30
        R-NT2RP4001739//ESTs//6.6e-59:340:91//Hs.122293:AA843692
        R-NT2RP4001753//Zinc finger protein 3 (A8-51)//5.6e-113:552:96//Hs.2481:X78926
        R-NT2RP4001760//ESTs//2.5e-94:453:98//Hs.122579:AA766315
        R-NT2RP4001790//ESTs, Weakly similar to ZINC FINGER PROTEIN 84 [H.sapiens]//2.0e-62:326:94//Hs.110839:
35
        W28098
        R-NT2RP4001803
        R-NT2RP4001822//ESTs//4.4e-98:526:92//Hs.96908:AI161133
        R-NT2RP4001823//ESTs//1.7e-72:357:97//Hs.144900:AI218434
        R-NT2RP4001828//ESTs//3.3e-101:536:92//Hs.18851:AA857826
40
        R-NT2RP4001838//ESTs//4.2e-58:344:90//Hs.48723:N66663
        R-NT2RP4001849//EST//0.24:105:71//Hs.136747:AA749210
        R-NT2RP4001889//Human mRNA for KIAA0118 gene, partial cds//3.4e-34:212:88//Hs.154326:D42087
        R-NT2RP4001893//ESTs//3.0e-58:321:95//Hs.158787:W79602
        R-NT2RP4001896//EST//3.8e-15:108:92//Hs.160835:AI345528
45
        R-NT2RP4001901//ESTs//1.2e-110:536:97//Hs.31443:AI018606
        R-NT2RP4001927//ESTs//2.1e-105:546:93//Hs.73291:AI417099
        R-NT2RP4001938//ESTs//2.8e-40:235:78//Hs.163641:R61848
        R-NT2RP4001946//ESTs//1.3e-29:175:93//Hs.43703:AA088436
        R-NT2RP4001950//ESTs//4.6e-95:458:98//Hs.150890:Al341793
50
        R-NT2RP4001953//Clathrin, light polypeptide (Lcb)//2.3e-62:310:82//Hs.73919:X81637
        R-NT2RP4001966//ESTs, Weakly similar to tenascin-like protein [D.melanogaster]//8.3e-87:457:94//Hs.41793:
        R-NT2RP4001975//ESTs//1.9e-52:281:94//Hs.7704:W58252
        R-NT2RP4002018
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90:86//Hs.41127:AA555184

R-NT2RP4002052//ESTs//0.054:353:60//Hs.117510:AA903738 R-NT2RP4002058//EST//7.8e-26:151:94//Hs.124617:AA855106

R-NT2RP4002047//ESTs, Highly similar to GTP-BINDING PROTEIN LEPA [Pseudomonas fluorescens]//4.7e-09:

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R-NT2RP4002071//ESTs//6.9e-99:475:98//Hs.29216:AA916679
         R-NT2RP4002075//ESTs//0.67:121:65//Hs.153939:Al284198
         R-NT2RP4002078//ESTs, Highly similar to ZINC FINGER PROTEIN 35 [Homo sapiens]//1.6e-61:464:82//Hs.
         144228:N99507
5
         R-nnnnnnnnn//ESTs, Weakly similar to HYPOTHETICAL 139.1 KD PROTEIN C08B11.3 IN CHROMOSOME
         II [C.elegans]//2.3e-56:271:100//Hs.6185:AA428565
         R-NT2RP4002083//ESTs//2.0e-108:548:96//Hs.6120:W80407
         R-NT2RP4002408//ESTs//2.6e-77:391:96//Hs.14014:AA745592
         R-NT2RP4002791//ESTs//7.9e-101:527:93//Hs.22394:N32555
10
         R-NT2RP4002888//ESTs, Highly similar to ENV POLYPROTEIN [Avian spleen necrosis virus]//1.9e-65:373:92//
         Hs 31532:H18272
         R-NT2RP4002905//ESTs//1.5e-107:517:98//Hs.40460:N36090
         R-OVARC1000001//Homo sapiens mRNA for KIAA0465 protein, partial cds//2.8e-115:605:94//Hs.108258:
         AB007934
15
         R-OVARC1000004
         R-OVARC1000006//ESTs//1.5e-19:139:89//Hs.143034:AI126929
         R-OVARC1000013//ESTs//5.9e-98:531:93//Hs.16470:AA121635
         R-OVARC1000014//ESTs//0.24:243:60//Hs.19569:AA464273
         R-OVARC1000017
20
         R-OVARC1000035//ESTs//0.035;252;63//Hs.134123;AI078286
         R-OVARC1000058//H.sapiens mRNA for translin associated protein X//3.8e-46:331:83//Hs.96247:X95073
         R-OVARC1000060//EST//2.8e-28:348:71//Hs.141728:W73041
         R-OVARC1000068//ESTs//3.0e-83:491:90//Hs.29397:N51367
         R-OVARC1000071//ESTs//2.5e-60:321:96//Us.25010:R6787
25
         R-OVARC1000085//Proteasome component C5//8.6e-67:366:92//Hs.75748:AL031259
         R-nnnnnnnnnn//ESTs//1.0e-111:526:98//Hs.129020:Al380703
         R-OVARC1000091//ESTS, Weakly similar to HOST CELL FACTOR CI [H.sapiens]//3.9e-112:596:94//Hs.20597:
         W58370
         R-OVARC1000092//ESTs//5.1e-18:144:82//Hs.109140:AI289942
30
         R-OVARC1000106
        R-OVARC1000113//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds//8.3e-
         102:495:97//Hs.3688:AF069250
         R-OVARC1000114//H.sapiens mRNA for phosphoinositide 3-kinase//1.7e-45:489:74//Hs.101238:Y11312
        R-OVARC1000133//EST//0.00028:284:61//Hs.30547:H05482
35
        R-OVARC1000145//EST//3.9e-40:201:99//Hs.156148:AI333214
        R-OVARC1000148//EST//0.79:150:62//Hs.100078:T05090
        R-OVARC1000151
        R-OVARC1000168//EST//1.7e-19:142:90//Hs.38441:H66023
        R-OVARC1000191//EST//0.0072:292:63//Hs.132492:AA922629
40
        R-OVARC1000198//Homo sapiens LIM protein mRNA, complete cds//6.1e-44:339:81//Hs.154103:AF061258
        R-OVARC1000209//ESTs, Moderately similar to ZINC FINGER PROTEIN 93 [H.sapiens]//1.1e-32:196:92//Hs.
        64322:AA142864
        R-OVARC1000212//EST//0.20:178:61//Hs.133031:AI049874
        R-OVARC1000240//ESTs//9.0e-64:314:98//Hs.42300:AA204958
45
        R-OVARC1000241//EST//0.00018:115:68//Hs.150728:AI123130
        R-OVARC1000288//ESTs, Highly similar to HYPOTHETICAL 54.2 KD PROTEIN IN CDC12-ORC6 INTERGENIC
        REGION [Saccharomyces cerevisiae]//3.3e-74:403:93//Hs.108117:AI097079
        R-OVARC1000302//EST//4.0e-14:102:90//Hs.136617:AA630476
        R-OVARC1000304//ESTs, Highly similar to PUTATIVE GTP-BINDING PROTEIN MOV10 [Mus musculus]//2.9e-
50
        37:191:98//Hs.20725;AI027777
        R-OVARC1000309//ESTs//3.6e-66:348:94//Hs.9547;AA532449
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R-OVARC1000309//ES1s//3.6e-66:348:94//Hs.954/:AA532449 R-OVARC1000321//ESTs//3.6e-87:454:95//Hs.110445:AA044743

R-OVARC1000326//ESTs, Moderately similar to lamina associated polypeptide 1C [R.norvegicus]//1.3e-98:488: 96//Hs.125749:Al377682

55 R-OVARC1000335//ESTs//3.0e-115:565:97//Hs.54835:AI050863 R-OVARC1000347//EST//0.0018:145:65//Hs.136945:AA765672 R-OVARC1000384//ESTs//2.8e-38:253:89//Hs.15093:AA203423 R-OVARC1000408//ESTs//2.6e-98:515:94//Hs.119808:C05928

R-OVARC1000411//ESTs//3.2e-82:395:98//Hs.104747:AA406219 R-OVARC1000414//Landsteiner-Wiener blood group glycoprotein//1.5e-27:211:79//Hs.108287:L27670 R-OVARC1000420//EST//2.8e-38:255:74//Hs.138525:R99237 R-OVARC1000427//EST//2.6e-58:302:96//Hs.122914:AA767034 5 R-OVARC1000431//ESTs//4.9e-108:551:96//Hs.11668:AI123426 R-OVARC1000437 R-OVARC1000440//ESTs//2.9e-91:456:96//Hs.93701:AI018671 R-OVARC1000442//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//4.3e-45:320:84// R-OVARC1000443//Homo sapiens mRNA for KIAA0683 protein, complete cds//3.6e-79:418:94//Hs.12334: 10 AB014583 R-OVARC1000461//ESTs//3.1e-62:342:93//Hs.23241:R46582 R-OVARC1000465//ESTs//1.7e-67:349:95//Hs.127238:AA477576 R-OVARC1000466//ESTs//1.9e-66:337:95//Hs.5212:AI421211 15 R-OVARC1000473//ESTs//5.4e-89:320:99//Hs.29173:AA134926 R-OVARC1000479//ESTs, Highly similar to TIP120 [R.norvegicus]//1.1e-102;514:96//Hs.11833:Al299947 R-OVARC1000486//ESTs//3.9e-78:405:95//Hs.98312:AA424983 R-OVARC1000496 R-OVARC1000520//ESTs//1.2e-20:145:88//Hs.87456:AA434484 20 R-OVARC1000526//Small inducible cytokine A5 (RANTES)//8.9e-47:217:87//Hs.155464:AF088219 R-OVARC1000533//ESTs, Moderately similar to integrase [H.sapiens]//8.5e-48:264:92//Hs.49860:AA702248 R-OVARC1000543//ESTs//5.7e-74:410:94//Hs.62817:AA047021 R-OVARC1000556//H.sapiens mRNA for ribosomal S6 kinase//9.5e-27:202:85//Hs.90859:X85106 R-OVARC1000557//EST//2.8e-18:169:79//Hs.149101;Al244285 25 R-OVARC1000564//EST//2.3e-34:199:92//Hs.146637:AI141587 R-OVARC1000573//Interleukin 10//4.7e-42:300:83//Hs.2180:M57627 R-OVARC1000578//Small inducible cytokine A5 (RANTES)//5.2e-58:392:84//Hs.155464:AF088219 R-OVARC1000588//EST//1.8e-41:174:85//Hs.163333:AA879053 R-OVARC1000605 R-OVARC1000622//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0501//6.4e-47:417:77//Hs. 30 159897:AB007970 R-OVARC1000640//H.sapiens mRNA for translin associated protein X//1.9e-28:366:72//Hs.96247:X95073 R-OVARC1000661//Homo sapiens mRNA for KIAA0590 protein, complete cds//5.1e-31:162:100//Hs.111862: AB011162 35 R-OVARC1000678//EST//0.92:199:60//Hs.122025:AA778480 R-nnnnnnnnnn//ESTs//0.94:416:59//Hs.130754:AA279522 R-OVARC1000681//EST//9.2e-21:179:80//Hs.132635:AI032875 R-OVARC1000689//Homo sapiens ataxin-7 (SCA7) mRNA, complete cds//0.053:160:64//Hs.108447:AJ000517 R-OVARC1000700//Homo sapiens KIAA0441 mRNA, complete cds//7.1e-09:141:73//Hs.32511:AB007901 40 R-OVARC1000703//ESTs//1.7e-46:298:87//Hs.138856:H47461 R-OVARC1000730//ESTs, Weakly similar to C27F2.7 gene product [C.elegans]//1.7e-17:137:86//Hs.7049: AI141736 R-OVARC1000746//ESTs//0.16:366:60//Hs.136969:AA830918 R-OVARC1000769//ESTs, Weakly similar to eukaryotic initiation factor eIF-2 alpha kinase [D.melanogaster]//4.6e-45 28:430:69//Hs.42457:AA523306 R-OVARC1000771//ESTs//1.3e-87:461:94//Hs.22399:AA531016 R-OVARC1000781//ESTs//8.3e-119:572:97//Hs.41972:AA626793 R-OVARC1000787//ESTs//7.4e-18:115:93//Hs.164036:AA845659 R-OVARC1000800//MITOCHONDRIAL STRESS-70 PROTEIN PRECURSOR//4.9e-19:119:95//Hs.3069:L11066 50 R-OVARC1000802//ESTs//2.2e-41:383:78//Hs.161228:AI419764 R-OVARC1000834//Homo sapiens mRNA for atopy related autoantigen CALC//1.2e-106:536:95//Hs.61628: R-OVARC1000846//Clathrin, light polypeptide (Lcb)//1.6e-66:282:87//Hs.73919:X81637 R-OVARC1000850//Homo sapiens PB39 mRNA, complete cds//1.2e-115:579:96//Hs.18910:AF045584 R-OVARC1000862//EST//4.3e-14:129:81//Hs.150663:AA923096 55 R-OVARC1000876//ESTs//1.0e-115:573:96//Hs.87287:AI150674 R-OVARC1000883//ESTs//3.5e-109:523:98//Hs.28423:AI336292

R-OVARC1000885//ESTs, Highly similar to HYPOTHETICAL OXIDOREDUCTASE IN ROCC-PTA INTERGENIC

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REGION [Bacillus subtilis]//7.9e-98:525:93//Hs.10366:W21953
         R-OVARC1000886//ESTs//8.2e-79:417:94//Hs.7729:AA830777
         R-OVARC1000891//ESTs//6.8e-75:401:94//Hs.5833:H15401
         R-OVARC1000897//ESTs//3.5e-91:440:98//Hs.125264:AA873350
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         R-OVARC1000912
         R-OVARC1000915//ESTs//1.0e-45:328:82//Hs.163980:AA715814
         R-OVARC1000924//ESTs//1.0e-100:501:96//Hs.30204:AA497127
         R-OVARC1000936//EST//3.0e-74:367:98//Hs.145098:AA421696
         R-OVARC1000937//EST//1.1e-53:290:95//Hs.162846:AA631215
10
         R-OVARC1000945//ESTs//4.9e-51:301:89//Hs,20100;W25794
         R-OVARC1000948//ESTs//3.7e-67:332:98//Hs.112570:AA621971
         R-OVARC1000959//Small inducible cytokine A5 (RANTES)//7.2e-44:283:86//Hs.155464:AF088219
         R-OVARC1000960//Homo sapiens KIAA0395 mRNA, partial cds//1.1e-41:348:80//Hs.43681:AL022394
         R-OVARC1000971//EST//6.2e-05:126:70//Hs.160491:AI254909
         R-OVARC1000984//ESTS, Weakly similar to No definition line found [C.elegans]//3.5e-68:346:96//Hs.25544:
15
         AA532784
         R-OVARC1000996//EST//0.12:92:71//Hs.117141:AA678811
         R-OVARC1000999//Homo sapiens KIAA0414 mRNA, partial cds//1.5e-44;513;73//Hs.127649;AB007874
         R-OVARC1001000//ESTs//1.8e-22:198:80//Hs.140608:N53448
20
         R-OVARC1001004//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//1.7e-28:181:77//Hs.139107:K00629
         R-OVARC1001010//EST//2.1e-09:92:85//Hs.147893:AI223270
         R-OVARC1001011//EST//2.4e-14:200:75//Hs.149290:AI248117
         R-OVARC1001032//EST//2.7e-29:304:73//Hs.141733:W80630
         R-OVARC1001034//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//2.1e-09:
25
         137:74//Hs.77579:AF013263
         R-OVARC1001038//Homo sapiens TRIAD1 type I mRNA, complete cds//4.1e-101:501:96//Hs.9899:AF099149
         R-OVARC1001040//ESTs//2.9e-87:415:99//Hs.132812:AI032046
         R-OVARC1001044//ESTs//1.1e-83:432:96//Hs.55043:N94384
         R-OVARC1001051//60S RIBOSOMAL PROTEIN L41//1.2e-16:124:88//Hs.108124:Z12962
         R-OVARC1001055//ESTs//2.4e-23:238:76//Hs.141421:H99231
30
         R-OVARC1001062//ESTs//3.4e-92:469:96//Hs.34658:N98652
         R-OVARC1001068//Homo sapiens Era GTPase A protein (HERA-A) mRNA, partial cds//7.3e-97:463:98//Hs.3426:
         AF082657
         R-OVARC1001072//ESTs//1.3e-34:227:89//Hs.126704:W95844
35
         R-OVARC1001074
         R-OVARC1001085//Human T-cell leukemia virus enhancer factor//1.0:94:69//Hs.103126:U57029
         R-OVARC1001092//Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337,
         LLNLc110F1857Q7 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin))//1.4e-96:325:98//Hs.21753:AJ005897
         R-OVARC1001113//Homo sapiens diaphanous 1 (HDIA1) mRNA, complete cds//3.3e-75:386:95//Hs.26584:
40
         AF051782
         R-OVARC1001117//Human G protein-coupled receptor (STRL22) mRNA, complete cds//3.9e-37:283:84//Hs.
         46468:U45984
         R-OVARC1001118//ESTs//5.3e-99:485:97//Hs.130815:AA936548
         R-OVARC1001129//ESTs//9.8e-66:351:95//Hs.18616:T99312
45
         R-OVARC1001I61//ESTs, Moderately similar to !!!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.sapiens]//2.2e-
         66:346:95//Hs.53263:AA173226
         R-OVARC1001162//EST//1.5e-44:376:80//Hs.161917:AA483223
         R-OVARC1001167//ESTs//4.7e-110:548:96//Hs.35254:AI133727
         R-OVARC1001169//ESTs//0.22:152:68//Hs.149424:AI274200
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         R-OVARC1001170//Small inducible cytokine A5 (RANTES)//1.8e-42:305:84//Hs.155464:AF088219
         R-OVARC1001173//EST//2.5e-35:182:84//Hs.161917:AA483223
         R-OVARC1001180//Human macrophage-derived chemokine precursor (MDC) mRNA, complete cds//6.6e-64:247:
         80//Hs.97203:U83171
         R-OVARC1001188//ESTs//4.1e-18:296:69//Hs.139197:AA228343
         R-OVARC1001200//ESTs//2.0e-28:207:85//Hs.35121:AA877826
55
         R-OVARC1001232//ESTs//3.2e-61:358:91//Hs.6449:W95025
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R-OVARC1001240//ESTs//6.7e-45:316:85//Hs.121675:AA629668 R-OVARC1001243//ESTs//2.3e-86:409:99//Hs.163091:AA742361

- R-OVARC1001261//ESTs//0.63:125:64//Hs.155743:AI344166 R-OVARC1001268//ESTs//8.1e-20:113:98//Hs.109477:AA477929 R-OVARC1001270//ESTs//1.5e-107:530:97//Hs.62905:AA460708 R-OVARC1001271//ESTs//4.5e-36:401:72//Hs.20190:AA525532 5 R-OVARC1001282//EST//4.0e-91:428:99//Hs.145599:AI263113 R-OVARC1001296//ESTs//2.6e-63:301:100//Hs.125753:AA740885 R-nnnnnnnnnnn/Homo sapiens mRNA for KIAA0518 protein, partial cds//3.8e-70:334:100//Hs.23763: AB011090 R-OVARC1001329//Clathrin, light polypeptide (Lcb)//1.3e-68:304:83//Hs.73919:X81637 10 R-OVARC1001330//Proline arginine-rich end leucine-rich repeat protein//1.0:147:63//Hs.76494:U41344 R-OVARC1001339//Small inducible cytokine A5 (RANTES)//5.0e-48:452:76//Hs.155464:AF088219 R-OVARC1001341//ESTs, Moderately similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//6.9e-85:464:93//Hs.23651:AA650356 R-OVARC1001342//40S RIBOSOMAL PROTEIN S8//4.9e-110:568:95//Hs.118690:X67247 15 R-OVARC1001344//EST//3.6e-44:341:81//Hs.162197:AA535216 R-OVARC1001357//TUMOR-ASSOCIATED ANTIGEN L6//9.8e-44:250:93//Hs.3337:M90657 R-OVARC1001360//ESTs//5.2e-110:534:98//Hs.24743;AA843844 R-OVARC1001369//ESTs//1.7e-98:478:97//Hs.7729:AA830777 R-OVARC1001372//ESTs//2.6e-97:456:99//Hs.153648:AI341415 20 R-OVARC1001376//Homo sapiens mRNA for KIAA0575 protein, complete cds//1.1e-53;344:72//Hs.153468: AB011147 R-OVARC1001381//ESTs//5.1e-19:200:66//Hs.114031:AA700958 R-OVARC1001391 R-nnnnnnnnn//ESTs//0.003 9:48:95//Hs.117964:N20913 25 R-OVARC1001417//Homo sapiens EXLM1 mRNA, complete cds//3.2e-111:561:95//Hs.21586:AB006651 R-OVARC1001419 R-OVARC1001425//EST//5.7e-20:395:66//Hs.159707:Al393136 R-OVARC1001436//ESTs//9.6e-90:427:99//Hs.6982:AA622427 R-OVARC1001442//ESTs//1.1e-66:317:100//Hs.18437:Al206345 30 R-OVARC1001453//ESTs//2.0e-20:163:84//Hs.133503:AA628592 R-OVARC1001476//EST//0.23:125:66//Hs.71444;AA131700 R-OVARC1001480//ESTs//3.1e-56:181:97//Hs.40109:AA928694 R-OVARC1001489//ESTs//1.0:297:58//Hs.86723:AA393089 R-OVARC1001496//Homo sapiens C-terminal binding protein 2 mRNA, complete cds//3.0e-117:585:96//Hs.6534: 35 AF016507 R-OVARC1001506//Small inducible cytokine A5 (RANTES)//1.8e-48:283:90//Hs.155464:AF088219 R-OVARC1001525//EST//0.80:170:60//Hs.157398:AI364539 R-OVARC1001542//Homo sapiens hJTB mRNA, complete cds//1.6e-111:566:95//Hs.6396:AB016492 R-OVARC1001547//ESTs//5.7e-105:564:93//Hs.68835:AA088388 R-OVARC1001577//Homo sapiens SRp46 splicing factor retropseudogene mRNA7/4.4e-20:150:89//Hs.155160: 40 AF031166 R-OVARC1001600//Human mRNA for KIAA0118 gene, partial cds//8.6e-21:282:72//Hs.154326:D42087 R-OVARC1001610//ESTs//4.6e-108:555:95//Hs.44295:N32019 R-OVARC1001611//ESTs//0.0021:117:71//Hs.135568:AA972965 45 R-OVARC1001615//Homo sapiens KIAA0409 mRNA, partial cds//9.2e-19:114:78//Hs.5158:AB007869 R-OVARC1001668//ESTs//1.0:127:69//Hs.153290:AI022659 R-OVARC1001702//ESTs//4.8e-44:225:97//Hs.96855:AA346854 R-OVARC1001703//ESTs//2.3e-89:426:99//Hs.27099:W60080 R-OVARC1001711//ESTs//1.9e-57:251:99//Hs.9732:AA527784 50 R-OVARC1001726//ESTs, Highly similar to APICAL PROTEIN [Xenopus laevis]//1.2e-27:236:81//Hs.15485: AA046954 R-OVARC1001731//Tropomyosin4(fibroblast)//7.9e-74:422:90//Hs.102824:X05276 R-OVARC1001745//Human mRNA for tryptophan hydroxylase (EC 1.14.16.4)//1.7e-62:300:83//Hs.144563:
- R-nnnnnnnnnn//ESTs, Weakly similar to N-TERMINAL ACETYLTRANSFERASE 1 [S.cerevisiae]//6.8e-100: 540:92//Hs.117741:AA903456

  R-OVARC1001766//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds//

1.1e-109:567:94//Hs.155377:U97670

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R-nnnnnnnnnnn//Homo sapiens mRNA for KIAA0675 protein, complete cds//2.0e-109:529:97//Hs.15869:
         AB014575
         R-OVARC1001768//ESTs//3.5e-59:327:94//Hs.107923:H66127
         R-OVARC1001791//ESTs//1.3e-111:565:96//Hs.6107:AA160604
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         R-OVARC1001795//ESTs//2.8e-97:526:93//Hs.72158:AA156978
         R-OVARC1001802//Homo sapiens DEC-205 mRNA, complete cds//4.8e-36:276:81//Hs.153563:AF011333
         R-OVARC1001805//ESTs//4.1e-78:375:98//Hs.126902:Al374688
         R-OVARC1001812//EST//4.8e-45:349:80//Hs.162677;AA604831
         R-OVARC1001813//Homo sapiens mRNA for KIAA0538 protein, partial cds//2.1e-15:519:63//Hs.25639:AB011110
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         R-OVARC1001820//ESTs//9.5e-50:314:80//Hs.140491;W52705
         R-OVARC1001828//ESTs//0.11:186:63//Hs.29055:Al374621
         R-OVARC1001846//ESTs//0.34:134:66//Hs.152992:AI242160
         R-OVARC1001861//ESTs//2.3e-19:120:92//Hs.42225:N31809
         R-OVARC1001873//Homo sapiens clones 24718 and 24825 mRNA sequence/1.9e-105:571:91//Hs.25300:
15
         R-OVARC1001879//EST//1.3e-24:185:85//Hs.136617:AA630476
         R-OVARC1001880//Homo sapiens mRNA for KIAA0575 protein, complete cds//2.2e-49:302:90//Hs.153468:
         AB011147
         R-OVARC1001883//ESTs//1.0e-51:295:93//Hs.164059:AA447310
20
         R-OVARC1001900//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds//
         1.6e-87:346:90//Hs.6216:AF061749
         R-OVARC1001901//ESTs//6.8e-24:132:98//Hs.130797:AA904435
         R-OVARC1001911//ESTs//1.1e-88:491:92//Hs.32343:W73855
         R-OVARC1001916//ESTs//7.9e-97:491:95//Hs.24989:H97842
25
         R-OVARC1001928
         R-OVARC1001942//ESTs, Weakly similar to N-TERMINAL ACETYLTRANSFERASE 1 [S.cerevisiae]//2.5e-39:
         253:88//Hs.117741:AA903456
         R-OVARC1001943//ESTs//9.3e-13:78:100//Hs.143680;W38637
         R-OVARC1001949//ESTs, Highly similar to ZINC FINGER PROTEIN 8 [Homo sapiens]//8.3e-96:498:94//Hs.
30
         22744:AI379892
         R-OVARC1001950//EST//1.3e-35:236:81//Hs.132635:AI032875
         R-OVARC1001987//ESTs//5.6e-94:514:92//Hs.21148:AI183729
         R-OVARC1001989//ESTs//9.7e-46:228:99//Hs.127046:AA935887
         R-OVARC1002044//ESTS//3.4e-45:303:85//Hs.132722:AA618531
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         R-OVARC1002050//Homo sapiens mRNA for KIAA0465 protein, partial cds//4.4e-109:542:96//Hs.108258:
         AB007934
         R-OVARC1002066//ESTs//8.5e-97:455:99//Hs.135477:AI088556
         R-OVARC1002082//Homo sapiens mRNA for KIAA0772 protein, complete cds//8.1e-47:340:82//Hs.15519:
         AB018315
40
         R-OVARC1002107//ESTs//5.9e-103:498:98//Hs.157207:AA629860
        R-OVARC1002127//ESTs//3.0e-87:419:98//Hs.127833:AI347130
         R-OVARC1002138//ESTs, Weakly similar to HYPOTHETICAL 54.7 KD PROTEIN C07A9.1 IN CHROMOSOME
        III [Caenorhabditis elegans]//1.7e-102:485:98//Hs.137516:AA805691
        R-OVARC1002143//ESTs//1.3e-79:428:92//Hs.158126:W26825
45
        R-OVARC1002156//ESTs//1.6e-38:198:98//Hs.22957:AA478923
        R-OVARC1002158//ESTs//7.3e-81:412:96//Hs.12211:AA908631
        R-OVARC1002165//ESTs//1.8e-09:154:72//Hs.49354:AA424160
        R-OVARC1002182//ESTs//4.3e-80:465:91//Hs.77067:AA040478
        R-PLACE1000004//ESTs, Weakly similar to TEICHOIC ACID BIOSYNTHESIS PROTEIN A [Bacillus subtilis]//
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        7.5e-32:164:99//Hs.144194:AA706337
        R-PLACE1000005//EST//0.37:212:60//Hs.127020:AA934920
        R-PLACE1000007//Homo sapiens clone 24422 mRNA sequence//3.8e-16:100:97//Hs.109268:AF070557
        R-PLACE1000014//EST//9.6e-44:344:77//Hs.161917:AA483223
        R-PLACE1000031//ESTs//2.2e-32:374:70//Hs.117969:H94870
        R-PLACE1000040//ESTs//0.00017:316:59//Hs.23342:AI310440
55
        R-PLACE1000048//Human Line-1 repeat mRNA with 2 open reading frames//4.8e-79:519:86//Hs.23094:M19503
        R-PLACE100005011ESTs//9.7e-90:453:96//Hs.27410:N25612
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R-PLACE1000061//Ribosomal protein L37a//5.5e-22:126:97//Hs.1946:L06499

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R-PLACE1000066//ESTs, Weakly similar to coded for by C. elegans cDNA yk10c10.3 [C.elegans]//1.4e-61:331:
94//Hs.30026:AI356771
R-PLACE1000078//ESTs//2.6e-30:212:85//Hs.89312:AA167659
R-PLACE1000081
R-PLACE1000094
R-PLACE1000133//ESTs//4.4e-87:448:94//Hs.93748:AA884505
R-PLACE1000142//ESTs, Weakly similar to enoyl-CoA hydratase [H.sapiens]//5.5e-103:538:94//Hs.9670:
AA632135
R-PLACE1000184//Homo sapiens estrogen-related receptor gamma mRNA, complete cds//4.1e-114:594:94//Hs.
151017:AF058291
R-PLACE1000185//ESTs, Weakly similar to No definition line found [C.elegans]//2.0e-19:114:95//Hs.7036:
W22072
R-PLACE1000213//ESTs//9.4e-99:494:96//Hs.24398:AI262946
R-PLACE1000214//ESTs//5.3e-98:466:98//Hs.28661:AA805916
R-PLACE1000236//Human BENE mRNA, partial cds//1.7e-19:162:84//Hs.85889:U17077
R-PLACE1000246//EST//0.026:134:66//Hs.135611:Z21545
R-PLACE1000292//ESTs//2.5e-80:418:96//Hs.138233:N57912
R-PLACE1000332//EST//1.7e-82:422:96//Hs.118637:T61940
R-PLACE1000347//ESTs//8.5e-36:180:100//Hs.6377:AA632424
R-PLACE1000374//ESTs//2.8e-90:434:98//Hs.161785:AI423126
R-PLACE1000380//ESTs//1.0e-81:399:97//Hs.47105:Al334994
R-PLACE1000383//ESTs//3.7e-75:405:94//Hs.23200:AA203708
R-PLACE1000401//ESTs//1.4e-16:212:72//Hs.151665:AA020959
R-PLACE1000406//ESTs//2.1e-51:259:97//Hs.129651:N53089
R-PLACE1000420//ESTs//7.7e-92:471:95//Hs.144407:AA737799
R-PLACE1000421//ESTs//2.9e-14:282:67//Hs.142068:AA176125
R-PLACE1000424//EST//2.9e-35:453:70//Hs.162404:AA573131
R-PLACE1000435//Homo sapiens protein phosphatase with EF-hands-2 long form (PPEF-2) mRNA, complete
cds//1.6e-47:472:77//Hs.113259:AF023456
R-PLACE1000444//ESTs, Moderately similar to platelet glycoprotein IIb precursor [H.sapiens]//2.0e-58:410:81//
Hs.97579:AA398118
R-PLACE1000453//ESTs//2.3e-85:442:95//Hs.9725:AA039793
R-PLACE1000481//ESTS, Weakly similar to Ndr protein kinase [H.sapiens]//3.2e-109:549:95//Hs.19074:U69566
R-PLACE1000492//ESTs, Highly similar to vacuolar protein sorting homolog r-vps33b [R.norvegicus]//3.5e-83:
435:94//Hs.26510:AA700425
R-PLACE1000540//ESTs//3.2e-58:281:99//Hs.118270:AA844729
R-PLACE1000547//Homo sapiens mRNA for KIAA0640 protein, partial cds//2.2e-32:208:88//Hs.153026:
R-PLACE1000562//ESTs, Weakly similar to HYPOTHETICAL 23.0 KD PROTEIN IN IXR1-TFA1 INTERGENIC
REGION [Saccharomyces cerevisiae]//1.9e-26:220:81//Hs.163791;W25348
R-PLACE1000564//ESTs//1.1e-54:302:92//Hs.158520:Al380485
R-PLACE1000583//Human mRNA for KIAA0355 gene, complete cds//5.5e-43:404:75//Hs.153014:AB002353
R-nnnnnnnnnnn//Guanylate binding protein 1, interferon-inducible, 67kD//6.1e-79:542:82//Hs.62661:M55542
R-PLACE1000596//ESTs//0.0028:364:59//Hs.106090:AA457030
R-PLACE1000599//Human mRNA for KIAA0118 gene, partial cds//4.3e-49:295:90//Hs.154326:D42087
R-PLACE1000610//ESTs//0.0010:104:74//Hs.17413:N45301
R-PLACE1000636//ESTs//1.8e-64:340:95//Hs.100895:AA479308
R-PLACE1000653//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds//5.3e-101:506:
96//Hs.5819:AF102265
R-PLACE1000656//Homo sapiens mRNA for JM4 protein, complete CDS (clone IMAGE 546750 and
LLNLc110F1857Q7 (RZPD Berlin))//1.4e-102:559:92//Hs.29595:AJ005896
R-PLACE1000706//Homo sapiens transcription intermediary factor 1 (TIF1) mRNA, complete cds//2.8e-10:281:
64//Hs.128763:AF009353
R-PLACE1000712//ESTs//7.8e-60:317:95//Hs.8245:AA115485
R-PLACE1000716
R-PLACE1000748//ESTs//8.9e-87:466:93//Hs.25245:AA176701
```

R-PLACE1000755//ESTs, Weakly similar to HYPOTHETICAL HELICASE K12H4.8 IN CHROMOSOME III [C.el-

R-PLACE1000749//EST//0.019:186:61//Hs.135443:AI077396

egans]//3.9e-40:224:94//Hs.87889:AA262008

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R-PLACE1000769//Homo sapiens clone 24566 mRNA sequence//6.5e-27:531:66//Hs.133342:AF070536
         R-PLACE1000785//Homo sapiens mRNA for KIAA0648 protein, partial cds//8.5e-103:513:96//Hs.31921:
         AB014548
5
         R-PLACE1000786//ESTs//5.2e-93:449:97//Hs.58389:W74482
         R-nnnnnnnnn//H.sapiens mRNA for chemokine HCC-1//0.88:201:60//Hs.20144:AF088219
         R-PLACE1000798//ESTs//1.1e-97:508:94//Hs.139119:N32189
         R-PLACE1000841//ESTs, Highly similar to guanine nucleotide regulatory protein [H.sapiens]//7.7e-31:220:86//Hs.
         117576:R33135
10
         R-nnnnnnnnnn//ESTs//1.8e-87:459:94//Hs.43100:AA186588
         R-PLACE1000856//ESTs//0.0084:224:59//Hs.145906;AI275039
         R-PLACE1000863//ESTs, Highly similar to PUTATIVE 40S RIBOSOMAL PROTEIN YHR148W [Saccharomyces
         cerevisiae]//2.2e-92:467:95//Hs.6118.-AI141558
         R-PLACE1000909//ESTs//4.7e-89:435:97//Hs.95744:Al392846
15
         R-PLACE1000931//EST//1.9e-28:261:73//Hs.135545:AI097091
         R-PLACE1000948//ESTs//0.034:329:58//Hs.114851:AA608697
         R-PLACE1000972//EST//3.3e-24:264:74//Hs.130321;AI002941
         R-PLACE1000977//EST//0.085:153:65//Hs.131646:AI025689
         R-PLACE1000979
20
         R-PLACE1001000//ESTs//4.7e-56:284:96//Hs.117978;AA810725
         R-PLACE1001007//ESTs, Moderately similar to MNK1 [H.sapiens]//5.2e-63:343:93//Hs.5662:AA868361
         R-PLACE1001010//EST//0.96:53:71//Hs.96973:AA351146
         R-PLACE1001015//Oxytocin receptor//2.8e-25:308:71//Hs.2820:X64878
         R-PLACE1001024//ESTs//5.0e-12:79:96//Hs.97910:AA404736
25
         R-PLACE1001036//ESTs//4.0e-15:301:65//Hs.137947:AI025762
         R-PLACE1001062//ESTs//5.2e-15:199:73//Hs.138982:AA056120
         R-PLACE1001076//ESTs//3.9e-84:406:98//Hs.115455:AA678124
         R-PLACE1001088//ESTs//3.0e-106:518:97//Hs.158964:AA639580
         R-PLACE1001092//Homo sapiens SEC63 (SEC63) mRNA, complete cds//0.035:259:59//Hs.31575:AF100141
30
         R-PLACE1001104//ESTs//6.1e-115:582:95//Hs.10972:AA164268
         R-PLACE1001118//ESTs//6.9e-81:440:93//Hs.5383:AA913610
         R-PLACE1001136//ESTs//7.4e-41:168:83//Hs.95115;AA206594
         R-PLACE1001168//ESTs//3.9e-21:116:99//Hs.5897:AA148834
         R-PLACE1001171//ESTs, Highly similar to CYTOCHROME B-245 LIGHT CHAIN [H.sapiens]//0.91:77:71//Hs.
35
         115211:AA287527
         R-PLACE1001185//ESTs//1.5e-65:330:96//Hs.26368:AA789297
         R-PLACE1001238//ESTs, Moderately similar to RNA polymerase I associated factor [M.musculus]//1.9e-99:512:
         94//Hs.24884:AA176812
         R-PLACE1001241//ESTs//1.1e-81:446:93//Hs.42278:AI073464
40
         R-PLACE1001257//EST//6.4e-46:298:87//Hs.162404:AA573131
         R-PLACE1001272//ESTs//0.31:158:61//Hs.42960:N95371
         R-PLACE1001279//ESTs//1.8e-77:376:97//Hs.29276:AA427780
         R-PLACE1001280//ESTs//1.1e-30:134:89//Hs.163492:AI334460
         R-PLACE1001294//ESTs, Moderately similar to GAMETOGENESIS EXPRESSED PROTEIN GEG-154 [M.mus-
45
         culus]//2.7e-22:181:84//Hs.48320:AA149548
         R-PLACE1001304//ESTs, Weakly similar to ZINC FINGER PROTEIN 135 [H.sapiens]//4.2e-34:195:92//Hs.86276:
         W27601
         R-PLACE1001311//ESTs//9.1e-91:438:97//Hs.41055:Al339056
         R-PLACE1001323//Human transmembrane 4 superfamily protein (SAS) mRNA, complete cds//5.5e-44:215:86//
50
         Hs.50984:U01160
         R-PLACE1001351//ESTs//2.4e-101:494:97//Hs.23944:AI097077
         R-PLACE1001366//Small inducible cytokine A5 (RANTES)//8.7e-43:284:85//Hs.155464:AF088219
         R-PLACE1001377//Homo sapiens ADAM10 (ADAM10) mRNA, complete cds//2.3e-81:431:93//Hs.152005:
55
         R-PLACE1001383//Homo sapiens clone 24538 mRNA sequence/1.0e-36:192:97//Hs.12342:AF055030
         R-PLACE1001384//Homo sapiens multi PDZ domain protein MUPP1 (MUPP1) mRNA, complete cds//1.0e-86:
         456:94//Hs.21301:AF093419
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R-PLACE1001387//ESTs//6.0e-74:383:94//Hs.55016:Al298280

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R-PLACE1001395//ESTs//2.3e-94:473:95//Hs.22394:N32555
         R-PLACE1001399//ESTs//2.6e-41:204:100//Hs.24462:N36348
         R-PLACE1001412//Homo sapiens clone 643 unknown mRNA, complete sequence//2.6e-45:242:95//Hs.110404:
         AF091087
5
         R-PLACE1001414//ESTs//0.0013:77:75//Hs.144614:AA291800
         R-PLACE1001440
         R-PLACE1001456//EST//0.76:120:62//Hs.34011;H48115.
         R-PLACE1001468//ESTs//4.0e-80:403:96//Hs.131832:AI017547
         R-PLACE1001484//ESTs//3.0e-16:201:72//Hs.153413:AI248625
         R-PLACE1001502//ESTs//8.1e-31:161:99//Hs.126264:AA455617
10
         R-PLACE1001503//ESTs//2.4e-37:176:81//Hs.141581:AA315361
         R-PLACE1001517//Homo sapiens hGAAI mRNA, complete cds//2.1e-57:339:90//Hs.4742:AB006969
         R-PLACE1001534//ESTs//3.6e-61:304:97//Hs.45207:AI042153
         R-PLACE1001545/TESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.6e-22:
15
         170:85//Hs.155456:AA707265
         R-PLACE1001551//ESTs//1.5e-39:202:98//Hs.139269:AA894431
         R-PLACE1001570//EST//1.1e-70:495:82//Hs.144234:W52249
         R-PLACE1001602//EST//0.33:297:57//Hs.149839:AI287601
         R-PLACE1001603//ESTs//2.0e-17:181:76//Hs.155334:AA827904
20
         R-PLACE1001610//EST//1.1e-86:442:95//Hs.112580:AA608683
         R-PLACE1001611//Homo sapiens histone macroH2A1.2 mRNA, complete cds//1.1e-42:217:97//Hs.75258:
         AF054174
         R-PLACE1001632//ESTs, Highly similar to ZINC FINGER PROTEIN 91 [Homo sapiens]//1.5e-78:458:91//Hs.
         114547:AA167095
25
         R-PLACE1001634//ESTs//0.0035:40:97//Hs.101577:AI168526
         R-PLACE1001640//ESTs//0.0028:377:57//Hs.131044:D61640
         R-PLACE10016727/ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//0.98:
         141:62//Hs.153060:AA195804
         R-PLACE1001691//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds//4.7e-
30
         113:545:97//Hs.3688:AF069250
         R-PLACE1001692//EST//3.0e-43:430:75//Hs.162975:AA679124
         R-PLACE1001705//ESTs//3.0e-81:418:94//Hs.22646:AI374903
         R-PLACE1001716//EST//0.76:150:62//Hs.128906:AA983667
         R-PLACE1001720//ESTs//2.4e-64:385:90//Hs.60455:AA010993
35
         R-PLACE1001729//ESTs//2.9e-84:418:96//Hs.134740:AA282171
         R-PLACE1001739//ESTs, Weakly similar to P68 PROTEIN [H.sapiens]//9.1e-32:206:89//Hs.6366:AA614113
         R-PLACE1001740//EST//6.5e-05:113:68//Hs.139949:AA644266
         R-PLACE1001745//ESTs//3.3e-92:473:95//Hs.104270:AA236479
         R-PLACE1001746//ESTs//8.8e-93:443:98//Hs.112198:AI423937
        R-PLACE1001748//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds//4.1e-93:540:89//Hs.4812:
40
        AF061243
        R-PLACE1001756//ESTs//0.17:157:66//Hs.141565:N64662
        R-PLACE1001761
        R-PLACE1001771//ESTs//0.92:165:62//Hs.473 87:N51980
45
        R-PLACE1001781//ESTs//5.7e-84:437:95//Hs.23363:AA081236
        R-PLACE1001799//EST//0.00039:126:65//Hs.123267:AA807352
        R-PLACE1001817//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA; partial cds//
         1.3e-93:463:95//Hs.40820:AF058953
        R-PLACE1001821//Small inducible cytokine A5 (RANTES)//2.7e-35:328:75//Hs.155464:AF088219
50
        R-PLACE1001845
        R-PLACE1001869//EST//1.0:207:62//Hs.137298:W32868
        R-PLACE1001897//ESTs//2.4e-23:219:80//Hs.7503:H50009
        R-PLACE1001912//ESTs//1.5e-32:162:78//Hs.136810:AA789098
        R-PLACE1001920//Homo sapiens TNF-induced protein GG2-1 mRNA, complete cds//3.9e-74:363:97//Hs.17839:
55
        AF099936
        R-PLACE1001928//Homo sapiens mRNA for KIAA0623 protein, complete cds//0.85:130:66//Hs.151406:
        AB014523
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R-PLACE1001983//ESTs//2.8e-66:334:96//Hs.110155:AA007313

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R-PLACE1001989//ESTs//1.3e-88:453:95//Hs.132717;AA171941
         R-PLACE1002046
         R-PLACE1002052//ESTs//1.7e-79:428:94//Hs.6737:N32595
         R-PLACE1002066//ESTs//2.8e-82:427:94//Hs.132972:AA543094
         R-PLACE1002072//ESTs//0.27:108:66//Hs.123163:AA809619
         R-PLACE1002073//EST//5.5e-70:369:95//Hs.132339:AI028552
         R-PLACE1002090//ESTs//6.3e-73:361:96//Hs.134469:AA731632
         R-PLACE1002115//ESTs//4.6e-34:233:88//Hs.163443:R23311
         R-PLACE1002119//ESTs//1.2e-88:444:96//Hs.15725:AA521293
10
         R-PLACE1002140//ESTs//6.6e-22:118:100//Hs.22793:W91937
         R-PLACE1002150//ESTs//4.0e-96:465:98//Hs.7312:AI167614
         R-PLACE1002157//EST, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG[H.sapiens]//3.6e-
         39:400:76//Hs.162172:AA534189
         R-PLACE1002163//ESTs//3.2e-83:428:95//Hs.137011:AI185965
         R-PLACE1002171//ESTs//5.3e-68:392:90//Hs.62273:AA143745
15
         R-PLACE1002205//ESTS//1.5e-39:211:95//Hs.28338:N48793
         R-PLACE1002213//ESTs//5.1e-38:290:83//Hs.146811:AA410788
         R-PLACE1002227//EST//1.3e-14:214:72//Hs.46979:N49892
         R-PLACE1002256//ESTs//2.4e-100:484:98//Hs.9343:AI004257
20
         R-PLACE1002259//Human Line-1 repeat mRNA with 2 open reading frames//5.8e-67:501:81//Hs.23094:M19503
         R-PLACE1002319//ESTs//1.4e-28:17 8:92//Hs.7353:AA209308
         R-PLACE1002342//Homo sapiens mRNA for KIAA0728 protein, partial cds//1.6e-95:501:93//Hs.18277:AB018271
         R-PLACE1002395//ESTs//3.6e-25:248:77//Hs.3853:AA034291
         R-PLACE1002399//ESTs//1.5e-27:238:78//Hs.13014:W26381
25
         R-PLACE1002433//ESTs//4.3e-108:511:98//Hs.98324:AA621959
         R-PLACE1002437//EST//1.2e-06:158:61//Hs.159833:T24110
         R-PLACE1002438//Sjogren syndrome antigen B (autoantigen La)//0.93:176:60//Hs.83715:X69804
         R-PLACE1002450//ESTs//1.5e-89:432:98//Hs.47371:AA136333
         R-PLACE1002465//ESTS//1.6e-92:488:93//Hs.78110:AA741320
30
         R-PLACE1002474//Human matrilin-2 precursor mRNA, partial cds//4.9e-23:166:85//Hs.19368:U69263
         R-PLACE1002477//ESTs//2.5e-62:305:98//Hs.88605:AA421132
         R-PLACE1002493//Homo sapiens signal transducing adaptor molecule 2A (STAM2) mRNA, complete cds//3.6e-
         55:307:91//Hs.17200:AF042273
         R-PLACE1002499//ESTs//7.4e-72:373:96//Hs.128221:AA972429
35
         R-PLACE1002500//Homo sapiens KIAA0409 mRNA, partial cds//1.2e-40;296;83//Hs.5158;AB007869
         R-PLACE1002514//ESTs, Weakly similar to !!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!! [H.sapiens]//6.4e-
         14:217:69//Hs.152230:AI140609
         R-PLACE1002529//Homo sapiens mRNA for KIAA0713 protein, partial cds//5.1e-88:582:85//Hs.88756:AB018256
         R-PLACE1002532//Homo sapiens BAC clone RG300E22 from 7g21-g31.1//2.7e-19:116:93//Hs.99348:AC004774
40
         R-PLACE1002537//ESTs//4.8e-93:440:99//Hs.164005:AA766491
         R-PLACE1002571//ESTs, Highly similar to ACTIN-LIKE PROTEIN 13E [Drosophila melanogaster]//1.3e-108:555:
         95//Hs.23259:AA532437
         R-PLACE1002578//EST//1.9e-40:337:81//Hs.162404:AA573131
         R-PLACE1002583//EST//1.2e-07:264:65//Hs.156414:Al339738
45
         R-PLACE1002591//ESTs//2.3e-67:372:94//Hs.143046:N73778
         R-PLACE1002598//ESTs, Highly similar to PROTEIN HI1715 [Haemophilus influenzae]//1.2e-44:228:97//Hs.
         7527:AA843208
         R-PLACE1002604//ESTs//3.3e-106:532:96//Hs.86828:AA632147
         R-PLACE1002625//EST//3.8e-13:173:74//Hs.138597:H77749
50
         R-PLACE1002665//Small inducible cytokine A4 (homologous to mouse Mip-1b)//1.0:189:58//Hs.75703:J04130
         R-PLACE1002685//Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced, complete cds//3.8e-79:
         390:97//Hs.124903:AF068180
         R-PLACE1002714//ESTs//8.2e-63:340:93//Hs.7973:H19830
         R-PLACE1002722//ESTs, Weakly similar to putative G-protein-coupled receptor [H.sapiens]//6.8e-75:445:90//Hs.
55
         29202:R71586
        R-PLACE1002768//ESTs//1.2e-70:359:95//Hs.132600:H12865
        R-PLACE1002772//ESTs//8.1e-49:362:82//Hs.141254;AI334099
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R-PLACE1002782//ESTs//2.4e-58:284:98//Hs.143545:AI149014

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R-PLACE1002794//ESTs//5.4e-21:114:100//Hs.77365:W93593
         R-PLACE1002811//ESTs//6.7e-68:329:98//Hs.78026:AA456955
         R-PLACE1002815//ESTs//6.8e-103:537:93//Hs.5459:Al304392
         R-PLACE1002816//ESTs//3.9e-05:118:68//Hs.98641:AA429916
 5
         R-PLACE1002834//ESTs, Highly similar to ZINC FINGER PROTEIN 91 [Homo sapiens]//2.1e-42:233:94//Hs.
         61518:AA167094
         R-PLACE1002839//ESTs//1.7e-10:292:64//Hs.93012:R96142
         R-PLACE1002851//ESTs//1.7e-73:381:95//Hs.135021:AI096756
         R-PLACE1002853//ESTs//1.2e-89:453:96//Hs.23630:N57539
10
         R-PLACE1002881//ESTs//1.1e-71:360:96//Hs.34392:AI066762
         R-PLACE1002908//EST//2.7e-31:177:94//Hs.147925:AI249332
         R-PLACE1002941//ESTs//4.0e-96:519:92//Hs.125139:AA523995
         R-PLACE1002962
         R-PLACE1002968//ESTs//4.7e-31:420:69//Hs.116518:AA653202
         R-PLACE1002991//ESTs//9.0e-81:418:95//Hs.132717:AA171941
15
         R-PLACE10029937/ESTs, Weakly similar to !!!! ALU SUBFAMILY SB WARNING ENTRY !!!! [H.sapiens]//1.3e-86:
         502:89//Hs.32232:AA604268
         R-PLACE1002996//ESTs//1.9e-44:218:100//Hs.63657:AI144268
         R-PLACE1003025//ESTs//8.4e-104:517:96//Hs.10711:AI151499
20
         R-PLACE1003027//Human mRNA for KIAA0238 gene, partial cds//0.97:156r60//Hs.82042:D87075
         R-PLACE1003044//Human onconeural ventral antigen-1 (Nova-1) mRNA, complete cds//1.0:200:63//Hs.214:
         U04840
         R-PLACE1003092//ESTs//0.0046:267:60//Hs.133095:AA927777
         R-PLACE1003100//ESTs, Highly similar to NODULATION PROTEIN G [Rhizobium meliloti]//9.5e-94:491:93//Hs.
25
         6318:AI131178
         R-PLACE1003108//ESTs//0.00065:184:66//Hs.154366:AA527359
         R-PLACE1003136//Signal recognition particle 54 kD protein//0.057:317:59//Hs.49346:U51920
         R-PLACE1003145//ESTs//1.9e-98:534:92//Hs.61929:AA044757
         R-PLACE1003153//ESTs//5.8e-76:367:98//Hs.105196:AA483467
         R-PLACE1003174//ESTs//1.7e-44:226:98//Hs.59688:AA453924
         R-PLACE1003176
         R-PLACE1003190//ESTs//1.6e-74:356:99//Hs.121282:AI091453
         R-PLACE1003200//ESTs//4.6e-93:461:96//Hs.24321:AA971017
         R-PLACE1003205//ESTs//0.037:171:61//Hs.157077:H44802
35
         R-PLACE100323 8//ESTs, Weakly similar to KIAA0001 [H.sapiens]//2.5e-82:436;94//Hs.58561:W79123
         R-PLACE1003249//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//7.9e-44:313:84//
         Hs.73614:U83460
         R-PLACE1003256//EST//9.6e-46:284:88//Hs.162404:AA573131
         R-PLACE1003258//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//8.3e-102:
40
         551:92//Hs.52431:AA625326
         R-PLACE1003296//ESTs//1.9e-88:451:96//Hs.57749:W92986
         R-PLACE1003302//ESTs, Highly similar to ZINC FINGER PROTEIN 43 [Homo sapiens]//8.2e-93:458:96//Hs.
         29147:AA883993
         R-PLACE1003334//ESTs, Weakly similar to !!!! ALU CLASS B WARNING ENTRY !!!! [H.sapiens]//3.3e-94:463:
45
         97//Hs.155050:AA908765
         R-PLACE1003342//ESTs//6.0e-88:447:96//Hs.107527:R66438
         R-PLACE1003343//EST//0.0087:412:58/Hs.159963:AA977701
         R-PLACE1003353//Homo sapiens breast cancer antiestrogen resistance 3 protein (BCAR3) mRNA, complete
         cds//1.1e-99:469:98//Hs.6564:U92715
50
         R-PLACE1003361//ESTs//3.5e-64:332:95//Hs.163861:AI199636
         R-PLACE1003366//ESTs//1.0e-87:492:92//Hs.72222:AA158234
         R-PLACE1003369//ESTs, Weakly similar to ZK1058.4 [C.elegans]//3.5e-18:109:95//Hs.27670:Al051591
         R-PLACE1003373//Homo sapiens mRNA for KIAA0472 protein, partial cds//2.6e-54:279:80//Hs.6874:AB007941
         R-PLACE1003375//ESTs//1.7e-88:431:97//Hs.41327:AI039909
         R-PLACE1003383//ESTs//0.00084:177:64//Hs.120695:Al377755
55
         R-PLACE1003401//ESTs//1.1e-16:147:80//Hs.132187;AI039020
         R-PLACE1003420//ESTs//1.4e-93:481:94//Hs.122565:AI126840
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R-PLACE1003454//ESTs//4.0e-57:310:93//Hs.121688:AA743697

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R-PLACE1003478//EST//1.0:162:63//Hs.147003:AI184671
         R-PLACE1003493//ESTs//1.2e-73:383:95//Hs.28852:R64270
         R-PLACE1003516//ESTs//3.2e-23:206:80//Hs.138632:H97952
         R-PLACE1003519//H.sapiens hnRNP-E1 mRNA//1.7e-22:236:79//Hs.2853:Z29505
         R-PLACE1003521//ESTs//5.8e-74:371:96//Hs.30818:AA194980
         R-PLACE1003528//ESTs//1.1e-40:219:82//Hs.138856:H47461
         R-PLACE1003537//ESTs, Weakly similar to multispanning membrane protein [H.sapiens]//7.4e-69:338:98//Hs.
         110439:N93209
         R-PLACE1003553//ESTs//2.2e-87:438:97//Hs.132022:AI040321
10
         R-PLACE1003566//ESTs//1.2e-62:298:92//Hs.30799:AI052591
         R-PLACE1003575//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//2.4e-22:145:80//Hs.
         92381:AB007956
         R-PLACE1003583//ESTs, Weakly similar to hypothetical L1 protein [H.sapiens]//1.5e-14:264:65//Hs.158253:
         R86178
15
         R-PLACE1003584
         R-PLACE1003592//ESTs//1.3e-15:213:69//Hs.139507:T77542
         R-PLACE1003593//ESTs, Highly similar to FRG1 gene product [H.sapiens]//5.8e-75:459:89//Hs.23884:AD77106
         R-PLACE1003596//ESTs//0.011:273:61//Hs.71719:AA142875
         R-PLACE1003602//Homo sapiens mRNA expressed in placenta//7.8e-97:576:88//Hs.56851:D83200
20
         R-PLACE1003605//ESTs//3.7e-86:407:99//Hs.136057:AA988299
         R-nnnnnnnnnn//ESTs//1.0:78:71//Hs.101248:T26446
         R-PLACE1003618//ESTs//6.8e-30:281:79//Hs.114455:AA411943
         R-PLACE1003625//ESTs//7.2e-78:377:98//Hs.102708:AA292285
         R-PLACE1003638//ESTs//6.7e-38:274:82//Hs.138852;AA284247
25
         R-PLACE1003669//ESTs//9.7e-83:418:95//Hs.4842:AI342607
         R-PLACE1003704//ESTs//3.0e-13:99:89//Hs.81648:W26521
         R-PLACE1003709//ESTs//0.019:178:60//Hs.32100:N59866
         R-PLACE1003711//ESTs//0.99:126:63//Hs.47005:N98639
         R-PLACE1003723//ESTS//1.7e-89:448:96//Hs.157222:AA766987
30
         R-PLACE1003738//ESTs//2.5e-36:182:100//Hs.122162:AI057087
         R-PLACE1003760//Human globin gene//L9e-98:538:91//Hs.100090:M69023
         R-PLACE1003762//EST//2.9e-15:125:85//Hs.162083:AA487512
        R-PLACE1003768//Human P042 gene, complete cds//3.1e-18:300:69//Hs.158302:U88965
         R-PLACE1003771//ESTs//1.2e-09:64:100//Hs.23799:AI003798
        R-PLACE1003783//ESTs, Weakly similar to D2085.5 [C.elegans]//3.8e-38:199:97//Hs.115197:AA215757
35
         R-PLACE1003784//ESTs//3.7e-87:428:97//Hs.157985:AI366909
        R-PLACE1003795//Homo sapiens mRNA for KIAA0575 protein, complete cds//3.2e-36:236:88//Hs.153468:
        R-PLACE1003833//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//8.5e-
40
        62:313:96//Hs.121020:AA526092
        R-PLACE1003850//ESTs//4.0e-67:351:96//Hs.159303:T91059
        R-PLACE1003858//ESTs//0.96:87:66//Hs.107112:AA679058
        R-nnnnnnnnnnn
        R-PLACE1003870//EST//2.9e-34:281:79//Hs.160895:AI365871
45
        R-nnnnnnnnnnnn
        R-PLACE1003886//ESTs//6.7e-85:410:97//Hs.25129:W93595
        R-PLACE1003888//ESTs//0.0085:165:64//Hs.96739:AA441915
        R-PLACE1003900//EST//2.4e-05:129:69//Hs.127931:AA969259
        R-PLACE1003903//ESTs, Highly similar to CTP SYNTHASE [Homo sapiens]//1.5e-54:282:96//Hs.58553:
50
        R-PLACE1003915//EST//0.87:55:76//Hs.145930;AI275760
        R-PLACE1003923//ESTs//1.7e-89:456:95//Hs.14125:AA156236
        R-PLACE1003932//ESTs//3.0e-50:340:84//Hs.151208:AI126110
        R-PLACE1003936//EST//1.8e-08:208:65//Hs.162656:AA603567
55
        R-PLACE1003968//ESTs//7.4e-49:301:90//Hs.93850;AA115330
        R-PLACE1004104//ESTs//1.9e-46:254:94//Hs.96802:AA443231
        R-PLACE1004114//ESTs//1.2e-64:322:97//Hs.28928:AI052052
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R-PLACE1004118//ESTs//1.0e-83:404:98//Hs.112764:AA609770

- R-PLACE1004128//ESTs//5.3e-80:415:95//Hs.11835:AA040244
- R-PLACE1004149//ESTs//7.2e-25:331:72//Hs.141084:H11714
- R-PLACE1004156//Homo sapiens PYRIN (MEFV) mRNA, complete cds//2.0e-56:491:76//Hs.113283:AF018080 R-PLACE1004161//ESTs//2.0e-59:355:88//Hs.13830:AA918601
- F-PLACE1004183//Homo sapiens cytochrome c oxidase assembly protein COX11(COX11) mRNA, complete cds//
  4.7e-78:434:91//Hs.153504:AF044321
  R-PLACE1004197
  - R-PLACE1004203//Homo sapiens GPI-anchored membrane protein CDw108 precursor, mRNA, complete cds// 1.5e-105:501:98//Hs.24640;AF069493
- <sup>10</sup> R-PLACE1004242//ESTs//1.0e-71:364:87//Hs.138632:H97952
  - R-PLACE1004256//EST//0.0011:347:61//Hs.131385:AI022630
  - R-PLACE1004257//EST//0.027;99:71//Hs.97587;AA398209
  - R-PLACE1004258//KERATIN. TYPE I CYTOSKELETAL 14//0.72:180:63//Hs.117729:100124
  - R-PLACE1004270//ESTS//0.011:264:59//Hs.110044:AA181800
- R-PLACE1004274//Human retinoic acid receptor-beta associated open reading frame, complete sequence//0.28: 121:66//Hs.1938:S82362
  - R-PLACE1004277//Homo sapiens two pore domain  $K^+$  channel (TASK-2) mRNA, complete cds//1.4e-107:581: 91//Hs.127007:AF084830
  - R-PLACE1004284//ESTs//5.0e-22:187:82//Hs.23141:W92114
- 20 R-PLACE1004289//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.9e-28: 279:77//Hs.38687:AA744496
  - R-PLACE1004302//ESTs, Weakly similar to SOF1 PROTEIN [Saccharomyces cerevisiae]//8.2e-61:313:95//Hs. 71435:Al253099
  - R-PLACE1004316//H.sapiens mRNA for apoptosis specific protein//6.0e-115:590:94//Hs.11171:Y11588
- R-PLACE1004336//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//6.7e-69:572: 77//Hs.1361:M55053
  - R-PLACE1004358//Homo sapiens connector enhancer of KSR-like protein CNK1 mRNA, complete cds//7.7e-72: 379:93//Hs.16232:AF100153
  - R-PLACE1004376//ESTs//0.49:362:59//Hs.138086:AI056309
- 30 R-PLACE1004384//EST//1.0:47:76//Hs.128546:AA905556
  - R-PLACE1004388//ESTs, Weakly similar to contains similarity to ATP/GTP-binding site motif [C.elegans]//1.3e-98:572:90//Hs.14202:N46000
  - R-PLACE1004405//ESTs//3.4e-99:507:95//Hs.28792:Al343467
  - R-PLACE1004425//ESTs//2.7e-85:442:95//Hs.12544:N53665
- 35 R-PLACE1004428//ESTs//1.0e-07:114:78//Hs.140225:AA704101
  - R-PLACE1004437//Human NAD\*-specific isocitrate dehydrogenase beta subunit precursor, mRNA, nuclear gene encoding mitochondrial protein, complete cds//9.4e-90:516:88//Hs.155410:U49283
    R-PLACE1004451
  - R-PLACE1004460//ESTs//5.4e-14:338:64//Hs.97464:AA662980
- 40 R-PLACE1004467//ESTs//3.3e-85:467:92//Hs.9527:W52721
  - R-PLACE1004471//ESTs//3.0e-73:389:94//Hs.23240:R46578
  - R-PLACE1004473//ESTs, Weakly similar to F20D1.2 [C.elegans]//3.8e-101:510:95//Hs.16986:W89194
  - R-PLACE1004491//Human mitochondrial 1,25-dihydroxyvitamin D3 24-hydroxylase mRNA, complete cds//0.23: 278:61//Hs.89663:L13286
- <sup>45</sup> R-PLACE1004506//ESTs//2.5e-98:559:90//Hs.19447:AI057117
  - R-PLACE1004510//ESTs//1.5e-91:436:98//Hs,24846:AI420493
  - R-PLACE1004516//EST//1.7e-66:344:96//Hs.99303:AA453164
  - R-PLACE1004518//ESTs//5.2e-79:410:94//Hs.27091:AA436553
  - R-PLACE1004548//Homo sapiens mRNA for small GTP-binding protein, complete cds//1.8e-40:332:72//Hs.
- 50 115325:084488
  - R-PLACE1004550
  - R-PLACE1004564//ESTs//5.5e-76:367:98//Hs.49683:AA564742
  - R-PLACE1004629//ESTs, Weakly similar to OS-9 precurosor [H.sapiens]//8.1e-40:272:87//Hs.7100:W07181
  - R-PLACE1004645//ESTs//6.3e-14:83:100//Hs.17270:AA701903
- 55 R-PLACE1004646//ESTs//3.7e-22:231:76//Hs.141250:N29734
  - R-PLACE1004658//ESTs//2.0e-12:109:84//Hs.23508:AA101113
  - R-nnnnnnnnnn//Homo sapiens mRNA for KIAA0714 protein, partial cds//7.8e-23:129:99//Hs.123129:AB018257 R-PLACE1004672//ESTs//2.0e-50:256:98//Hs.136367:AI144254

R-PLACE1004674//Homo sapiens calcium binding protein (ALG-2) mRNA, complete cds//L8e-90:510:91//Hs. 80019:AF035606

R-PLACE1004681//EST//2.1e-08:283:62//Hs.99543;AA461482

R-PLACE1004686

<sup>5</sup> R-PLACE1004691//EST//7.3e-42:305:82//Hs.141833:AA021552

R-PLACE1004693//ESTs//0.014:135:64//Hs.145333:AI251374

R-PLACE1004716//ESTs, Weakly similar to No definition line found [C.elegans]//3.4e-80:413:94//Hs.23528: Al279571

R-PLACE1004722//EST//0.14:165:63//Hs.18213:T97997

10 R-PLACE1004736//ESTs//1.0e-72:385:94//Hs.10657:N6391

R-PLACE1004740//ESTs//1.0:267:58//Hs.101661:AA416619

R-nnnnnnnnnn//EST//0.45:94:69//Hs.147174:AI192195

R-PLACE1004751//EST//9.8e-32:174:83//Hs.147901:AI223374

R-PLACE1004773//Homo sapiens inversin protein mRNA, complete cds//2.7e-89:437:96//Hs.104715:AF084367

<sup>15</sup> R-PLACE1004777//ESTs//7.4e-68:351:94//Hs.23395:AA398548

R-PLACE1004793//ESTs//1.3e-53:290:78//Hs.142375:AA398619

R-nnnnnnnnnn//Homo sapiens mRNA for KIAA0606 protein, partial cds//1.9e-99:580:88//Hs.38176:AB011178 R-PLACE1004813//ESTs//7.6e-86:433:96//Hs.85640:AA535856

R-PLACE1004814//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds//1.1e-108:358:99//Hs.3688:AF069250

R-PLACE1004815//EST//4.7e-50:333:84//Hs.142196:AA258356

R-PLACE1004824//Protein kinase, interferon-inducible double stranded RNA dependent//4.8e-46:450:76//Hs. 73821:M35663

R-PLACE1004827//ESTs//2.3e-48:250:96//Hs.138766:AA342185

<sup>25</sup> R-PLACE1004836//ESTs//2.7e-39:222:94//Hs.78661:AA195299

R-PLACE1004838//EST//0.056:198:60//Hs.129589:AA995901

R-PLACE1004840//ESTs, Highly similar to TRANSCRIPTIONAL ACTIVATOR GCN5 [Saccharomyces cerevisiae] //6.5e-71:381:93//Hs.8383:AA013272

R-PLACE1004868//ESTs//4.9e-70:367:94//Hs.100895:AA479308

R-PLACE1004885//Homo sapiens protein phosphatase with EF-hands-2 long form (PPEF-2) mRNA, complete cds//1.8e-37:330:78//Hs.113259:AF023456

R-PLACE1004900//EST//1.2e-46:306:86//Hs.149580:AI211881

R-PLACE1004902//Sucrase-isomaltase//0.87:254:61//Hs.2996:X63597

R-nnnnnnnnn//ESTs//4.5e-75:375:96//Hs.91115:AI221563

35 R-PLACE1004918//ESTs//2.6e-103:519:95//Hs.143607:Al424948

R-PLACE1004930//Homo sapiens TNF-induced protein GG2-1 mRNA, complete cds//6.6e-102:532:93//Hs. 17839:AF099936

R-PLACE1004934//EST//0.035:156:67//Hs.162071:AA478980

R-PLACE1004937//ESTs, Weakly similar to F55B12.3 [C.elegans]//6.4e-80:409:95//Hs.31945:AA702l66

40 R-PLACE1004969//ESTs//9.8e-18:101:99//Hs.112837:N78013

R-PLACE1004972//ESTs//1.3e-65:337:95//Hs.75798:H29106

R-PLACE1004979//EST//1.2e-96:475:96//Hs.120158:AA708789

R-PLACE1004982//ESTs//1.0e-98:471:98//Hs.106496:AI291776

R-PLACE1004985//ESTs//2.1e-88:456:93//Hs.135050:AI420335

45 R-PLACE1005026

20

R-PLACE1005027//ESTs, Weakly similar to N-methyl-D-aspartate receptor glutamate-binding chain [R.norvegicus]//0.72:145:66//Hs.11215:N56719

R-PLACE1005046//Homo sapiens mRNA for KIAA0575 protein, complete cds//5.3e-66:297:88//Hs.153468: AB011147

R-PLACE1005052//ESTs, Weakly similar to weak similarity to rat cytosolic acyl coenzyme A thioester hydrolase [C.elegans]//1.2e-106:543:95//Hs.18625;Al074605

R-PLACE1005066//ESTs//3.9e-92:459:96//Hs.62684:AA806103

R-PLACE1005077//Human triadin mRNA, complete cds//1.8e-05:121:69//Hs.68731:U18985

R-PLACE1005085//Homo sapiens PYRIN (MEFV) mRNA, complete cds//6.6e-49:314:74//Hs.113283:AF018080

55 R-PLACE1005086//ESTs//1.2e-73:379:94//Hs.110128:AA584364

R-PLACE1005101//Homo sapiens (clone zap128) mRNA, 3' end ofcds//8.0e-99:531:92//Hs.75437:L40401

R-PLACE1005102//ESTs//7.2e-68:493:84//Hs.10593:AI201336

R-PLACE1005108//Human DNA fragmentation factor-45 mRNA, complete cds//9.2e-40:232:82//Hs.155344:

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U91985
         R-PLACE1005111//EST//8.1e-10:189:68//Hs.136356:AA493225
         R-PLACE1005128//ESTs//1.4e-78:501:87//Hs.15093:AA203423
         R-PLACE1005146//ESTs//4.8e-93:460:97//Hs.37896:AA777349
         R-PLACE1005162//ESTs//7.5e-51:277:95//Hs.28838:AI089013
 5
         R-nnnnnnnnn//ESTs//5.4e-75:366:97//Hs.48119:AA454227
         R-PLACE1005181//EST//0.012:172:66//Hs.147107:AI190589
         R-PLACE1005187//ESTs//5.6e-72:363:95//Hs.16577:AI022830
         R-PLACE1005206//ESTs//5.3e-48:203:88//Hs.31792:H45211
10
         R-PLACE1005232//ESTs//5.1e-41:287:84//Hs.138552:R99532
         R-PLACE1005243//ESTs//1.1e-48:348:83//Hs.113310:R16767
         R-PLACE1005261//ESTs//0.19:175:62//Hs.124337:AA829524
         R-PLACE1005266//ESTs//1.9e-22:388:66//Hs.124146:AA699633
         R-PLACE1005277//ESTs//1.5e-29:314:72//Hs.163710:AA024516
         R-PLACE1005287//ESTs//3.6e-95:456:98//Hs.49282:AA970322
15
         R-PLACE1005305//ESTs//9.9e-71:428:88//Hs.144855:AI197937
         R-PLACE1005308//ESTs//3.8e-32:173:96//Hs.58239:AA215797
         R-PLACE1005313//ESTs//5.2e-74:409:93//Hs.33368:AA206614
         R-PLACE1005327//Chromosome 1 specific transcript KIAA0491//1.7e-104:537:94//Hs.136309:AB007960
20
         R-PLACE1005331//ESTs//2.1e-91:487:93//Hs.9291:AI189343
         R-PLACE1005335//ESTs, Weakly similar to F23B2.4 [C.elegans]//3.8e-90:442:97//Hs.70202:AA732975
         R-PLACE1005373//ESTs//8.0e-93:526:91//Hs.98541:N38901
         R-PLACE1005374//Homo sapiens KIAA0395 mRNA, partial cds//3.3e-44:344:80//Hs.43681:AL022394
         R-PLACE1005409//EST//0.43:174:59//Hs.162077:AA479978
25
         R-PLACE1005453//EST//7.9e-57:330:90//Hs.162306:AA555304
         R-PLACE1005467//ESTs//2.2e-42:294:84//Hs.142257;AA188423
         R-PLACE1005471//Human Line-1 repeat mRNA with 2 open reading frames//2.3e-88:561:86//Hs.23094:M19503
         R-PLACE1005477//Human methionine aminopeptidase mRNA, complete cds//6.9e-80:549:83//Hs.78935:U29607
         R-PLACE1005480//EST//0.99:39:82//Hs.157275;AI364046
         R-PLACE1005481//EST//1.5e-31:281:79//Hs.132635:AI032875
30
         R-PLACE1005494//Homo sapiens mRNA for semaphorin E, complete cds//0.036:319:59//Hs.62705:AB000220
         R-PLACE1005502//Homo sapiens formin binding protein 21 mRNA, complete cds//5.4e-57:277:98//Hs.28307:
         AF071185
         R-PLACE1005526//ESTs//2.5e-30:233:83//Hs.119304:AA443325
35
         R-PLACE1005528//Homo sapiens mRNA for cartilage-associated protein (CASP)//8.9e-20:321:69//Hs.155481:
         AJ006470
         R-PLACE1005530//ESTs//3.7e-81:438:92//Hs.103380:AI291325
         R-PLACE1005550//ESTs, Highly similar to HYPOTHETICAL 40.2 KD PROTEIN K12H4.3 IN CHROMOSOME III
         [Caenorhabditis elegans]//5.2e-95;458;98//Hs.38114;N62927
40
         R-PLACE1005554//ESTs//8.8e-36:267:86//Hs.98288:AA203555
         R-PLACE1005557//ESTs, Highly similar to MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L2 PRECURSOR
         [Saccharomyces cerevisiae]//2.2e-64:345:94//Hs.7736:W81261
         R-PLACE1005574//ESTs//2.3e-27:231:83//Hs.117771:R99835
         R-PLACE1005584//ESTs//1.6e-36:188:98//Hs.152050:AA724612
         R-PLACE1005595//ESTs//1.6e-91:453:96//Hs.85079:AI276023
45
         R-PLACE1005603//ESTs//8.2e-99:533:93//Hs.96357:AI026927
         R-PLACE1005611//ESTs//5.2e-28:183:89//Hs.24941:AA261857
         R-PLACE1005623//ESTs//1.4e-102:505:96//Hs.58382:AA808964
         R-PLACE1005630
50
         R-PLACE1005639//ESTs//1.4e-51:256:98//Hs.1975:W72452
         R-PLACE1005646//Homo sapiens RNA helicase-related protein mRNA, complete cds//1.0e-111:585:93//Hs.8765:
         R-PLACE1005656//ESTs//2.7e-88:469:92//Hs.164054:AA528169
         R-PLACE1005666//Homo sapiens X-ray repair cross-complementing protein 2 (XRCC2) mRNA, complete cds//
55
         3.3e-24:401:66//Hs.129727;AF035587
         R-PLACE1005698//ESTs//0.00013:82:79//Hs.116331:AA629355
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R-PLACE1005727//EST//0.15:206:63//Hs.105002:AA449332 R-PLACE1005730//EST//0.0014:129:70//Hs.127931:AA969259

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R-PLACE1005739//ESTs, Moderately similar to unknown intracellular protein [M.musculus]//1.3e-42:236:94//Hs.
         23889:AI341137
         R-PLACE1005755//ESTs//2.8e-32:308:80//Hs.159821:AA524070
         R-PLACE1005763//Human mRNA for KIAA0118 gene, partial cds//3.3e-47:268:87//Hs.154326:D42087
5
         R-PLACE1005799//ESTs, Highly similar to HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III
         [Caenorhabditis elegans]//7.7e-15:88:98//Hs.109857:AA088385
         R-PLACE1005802//ESTs//2.8e-19:208:76//Hs.9271:W30941
         R-PLACE1005803//ESTs//2.6e-75:417:92//Hs.71414;AA131327
         R-PLACE1005804//EST//6.5e-20:182:70//Hs.149844:AI287693
10
         R-PLACE1005828//ESTs//3.0e-15:194:77//Hs.106236:N50058
         R-PLACE1005834//Retinoblastoma 1 (including osteosarcoma)//0.040:435:58//Hs.75770:L41870
         R-PLACE1005845//EST//5.0e-61:294:99//Hs.133202:AI050965
         R-PLACE1005850//ESTs//3.4e-82:425:96//Hs.7966:AI203471
         R-PLACE1005851//ESTs//2.9e-21:165:84//Hs.23607:N98305
15
         R-PLACE1005876//ESTs//0.48;296;57//Hs.39140;AI041842
         R-PLACE1005884//ESTs//0.0027:177:66//Hs.150295:AA570558
         R-PLACE1005898//ESTs//1.7e-98:467:98//Hs.159475:Al339981
         R-PLACE1005921//ESTs//5.8e-96:480:95//Hs.30822:AA885501
         R-PLACE1005923//ESTs//1.8e-66:333:96//Hs.150890:AI341793
20
         R-PLACE1005925//Human Line-1 repeat mRNA with 2 open reading frames//2.8e-27:382:70//Hs.23094:M19503
         R-PLACE1005932//ESTs, Moderately similar to MNK1 [H.sapiens]//1.1e-70:377:93//Hs.5662:AA868361
         R-PLACE1005934//ESTs//1.0e-42:251:91//Hs.25092:AA922142
         R-PLACE1005936//ESTs//1.2e-88:461:94//Hs.94125:N62913
         R-PLACE1005951//ESTs//1.4e-83:533:86//Hs.21148:AI183729
25
         R-PLACE1005953
         R-PLACE1005955//ESTs, Highly similar to HYPOTHETICAL 54.2 KD PROTEIN-IN CDC12-ORC6 INTERGENIC
         REGION [Saccharomyces cerevisiae]//2.2e-83:494:88//Hs.108117:AI097079
         R-PLACE1005966//ESTs//1.1e-95:465:97//Hs.98510:AI016239
         R-PLACE1005968//EST//0.26:103:66//Hs.161300:AI420897
30
         R-PLACE1005990
         R-PLACE1006002//Human mRNA for KIAA0355 gene, complete cds//2.0e-45:481:74//Hs.153014:AB002353
         R-PLACE1006003//ESTs, Highly similar to HYPOTHETICAL 30.3 KD PROTEIN IN APE1/LAP4-CWP1 INTER-
         GENIC REGION [Saccharomyces cerevisiae]//3.1e-112:593:93//Hs.111449:AI192946
         R-PLACE1006011//ESTs, Moderately similar to NAD(*) ADP-RIBOSYLTRANSFERASE [D.melanogaster]//5.7e-
35
         100:596:88//Hs.24284:AA595596
         R-PLACE1006017//ESTs//4.2e-18:296:68//Hs.133350:AI056276
         R-PLACE1006037//ESTs, Weakly similar to T23D8.3 [C.elegans]//4.1e-102:491:98//Hs.61164:Al096332
         R-PLACE1006040//ESTs//1.2e-92:443:98//Hs.111680:N93765
         R-PLACE1006076//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//2.0e-
40
         26:213:77//Hs.139007:H74314
         R-PLACE1006119//ESTs//0.14:257:61//Hs.113149:AA908904
         R-PLACE1006129//ESTs//3.8e-54:285:97//Hs.18827:W68002
         R-PLACE1006139//ESTs, Highly similar to HYPOTHETICAL 52.9 KD PROTEIN IN SAP155-YMR31 INTERGENIC
         REGION [Saccharomyces cerevisiae]//2.6e-99:560:91//Hs.5249:U55977
        R-PLACE1006143//Amylo-1,6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glyco-
45
         gen storage disease type III)//0.038:463:59//Hs.904:U84010
        R-PLACE1006157//ESTs//0.014:341:58//Hs.121773:AI357886
        R-PLACE1006159//EST//0.00036:247:61//Hs.140054:AA668925
        R-PLACE1006164//ESTs//2.6e-31:362:73//Hs.141024:H07128
50
        R-PLACE1006167//Homo sapiens chromosome 19, cosmid F23149//5.8e-54:286:94//Hs.152894:AC005239
        R-nnnnnnnnnn//ESTs, Highly similar to ALPHA-ADAPTIN [Rattus norvegicus]//2.7e-79:393:96//Hs.19121:
        R-PLACE1006187//Homo sapiens cyclin E2 mRNA, complete cds//5.1e-118:597:95//Hs.30464:AF091433
        R-PLACE1006195//ESTS, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//6.8e-94:
55
         532:91//Hs.105216:Al361807
        R-PLACE1006196//ESTs//3.2e-66:382:90//Hs.18665:T99507
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R-PLACE1006223//Human RNaseP protein p38 (RPP38) mRNA, complete cds//0.90:304:58//Hs.94986:U77664

R-PLACE1005205//EST//1.7e-89:448:96//Hs.116665:AA669114

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R-PLACE1006225//ESTs//7.2e-96:474:97//Hs.91165:AI079555
         R-PLACE1006236//ESTs//8.8e-105:535:95//Hs.7919:AI341472
         R-nnnnnnnnn//Homo sapiens BAC clone RG118D07 from 7q31//3.2e-99:497:95//Hs.3781:AC004142
         R-PLACE1006246//ESTs, Weakly similar to CMP-sialic acid transporter [M.musculus]//1.3e-104:532:95//Hs.
 5
         41151:AI301961
         R-PLACE1006248//Homo sapiens mRNA for KIAA0648 protein, partial cds//3.0e-97:499:95//Hs.31921:AB014548
         R-PLACE1006262//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//1.6e-
         07:321:62//Hs.53057:W67839
         R-PLACE1006288//Voltage-dependent anion channel 1//3.8e-100:605:88//Hs.2060:L06132
10
         R-PLACE1006318//ESTs//2.4e-102:536:94//Hs.8109:AA005265
         R-PLACE1006325//ESTs//5.2e-105:518:96//Hs.102319:AI246503
         R-PLACE1006335//ESTs//5.1e-45:254:93//Hs.153585:R70900
         R-PLACE1006357//EST//6.5e-09:309:62//Hs.132493:AA923168
         R-PLACE1006360//Human mRNA for KIAA0090 gene, partial cds//0.0097:381:58//Hs.154797:D42044
15
         R-PLACE1006368//ESTs//7.9e-85:412:97//Hs.150587:AI079284
         R-PLACE1006371//ESTs//7.7e-74:442:88//Hs.143671:W61053
         R-PLACE1006382
         R-PLACE1006385//ESTs//5.3e-06:346:61//Hs.163706:AA515748
         R-PLACE1006412//EST//7.7e-46:306:86//Hs.149580:Al281881
20
         R-PLACE1006414//Homo sapiens UM protein mRNA, complete cds//4.1e-43:551:69//Hs.154103:AF061258
         R-PLACE1006438//ESTs//1.1e-77:284:86//Hs.24545:AI278629
         R-PLACE1006445//ESTs//4.4e-53:259:99//Hs.24481:AA573139
         R-PLACE1006469//ESTs//9.4e-102:482:98//Hs.7218:AA936961
         R-PLACE1006470//ESTs//1.0:271:57//Hs.144517;AA938297
25
         R-PLACE1006482//ESTs//4.0e-61:354:92//Hs.51305:T47418
         R-PLACE1006492//EST//1.8e-09:48:91//Hs.144451:AA827722
         R-PLACE1006506//ESTs//0.012;161;61//Hs.145333;AI251374
         R-PLACE1006521//Human mRNA for KIAA0013 gene, complete cds//2.1e-15:415:63//Hs.48824:D87717
         R-PLACE1006531//ESTs//5.6e-31:213:87//Hs.125153:AA453723
30
         R-PLACE1006534//ESTs//6.5e-101:512:95//Hs.27763:W46368
         R-PLACE1006540//ESTs//7.3e-40:320:79//Hs.121659:H02532
         R-PLACE1006552//EST//0.38:418:56//Hs.140470:AA765214
         R-PLACE1006598//ESTs//4.0e-80:409:95//Hs.142868:AI128443
         R-PLACE1006615//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds//
35
         9.3e-118:590:95//Hs.155377:U97670
         R-PLACE1006617//ESTs//8.1e-31:246:83//Hs.139128:AA205322
         R-PLACE1006626//ESTs//0.90:98:68//Hs.96322:AA541615
         R-PLACE1006629//Human mRNA for KIAA0386 gene, complete cds//5.3e-33:315:78//Hs.101359:AB002384
         R-PLACE1006640//ESTs//3.7e-26:137:100//Hs.32672:W16522
40
         R-PLACE1006673//Interleukin 10//8.4e-47:330:83//Hs.2180:M57627
         R-PLACE1006678//ESTs//1.1e-13:87:98//Hs.34035:D87736
         R-PLACE1006704//ESTs//2.6e-65:394:89//Hs.30582:D12214
         R-PLACE1006731//Homo sapiens clone 23923 mRNA sequence/1.9e-102:486:98//Hs.12472:AF038172
         R-PLACE1006754//EST//1.0e-61:381:89//Hs.14727:T83861
45
         R-PLACE1006760//Homo sapiens clone 24800 mRNA sequence//3.8e-73:394:93//Hs.7252:AF070622
        R-PLACE1006779//ESTs//1.4e-69:405:90//Hs.136235:AA262658
        R-PLACE1006782//EST//1.8e-25:197:86//Hs.137257:N33234
        R-PLACE1006792//ESTs//1.8e-43:317:84//Hs.139190:N55515
        R-PLACE1006795//ESTs//6.4e-68:350:95//Hs.11092:AA916335
50
        R-PLACE1006800//ESTs//1.9e-55:268:100//Hs.126695:AA917989
        R-PLACE1006805//ESTs//6.6e-91:484:93//Hs.94262:AA768847
        R-PLACE1006815//ESTs//2.1e-49:364:83//Hs.142031:AA809159
        R-PLACE1006819//ESTs, Highly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]//
         1.0e-87:481:92//Hs.141263:H64113
        R-PLACE1006829//ESTs//5.7e-43:332:83//Hs.19906:AA456933
55
        R-PLACE1006860//ESTs//0.96:138:63//Hs.136649:AA-828359
        R-PLACE1006867//ESTs//1.4e-98:478:97//Hs.10299:N35008
        R-PLACE1006878//EST//8.4e-48:243:97//Hs.54970:N93536
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R-PLACE1006883//EST//3.1e-46:300:88//Hs.162404:AA573131
         R-nnnnnnnnn//ESTs//3.0e-95:496:94//Hs.47546:AA181348
         R-PLACE1006904//ESTs//5.8e-18:304:68//Hs.125816:AA806089
         R-PLACE1006917//Endothelin receptor type B//0.00012:451:60//Hs.82002:D13168
 5
         R-PLACE1006932//ESTs//4.6e-56:285:96//Hs.114727:Al379514
         R-PLACE1006935//ESTs//3.6e-12:157:73//Hs.161714:AA229078
         R-nnnnnnnnnn/Human mRNA for KIAA0201 gene, complete cds//3.2e-25:494:63//Hs,36927:D86956
         R-PLACE1006961//Tyrosine aminotransferase//2.5e-46:471:74//Hs.2999:X52520
         R-PLACE1006962//ESTs, Moderately similar to plakophilin 2b [H.sapiens]//9.0e-29:324:68//Hs.154257:Al275982
10
         R-PLACE1006966//ESTs//4.5e-99:470:99//Hs.46913:AI017636
         R-PLACE1006989//ESTs//2.2e-68:353:97//Hs.14394:R61257
         R-PLACE1007014//ESTs//3.4e-86:457:94//Hs.129819:AA838366
         R-PLACE1007021//ESTs//1.6e-93:539:90//Hs.7111:U55971
         R-PLACE1007045//Human Line-1 repeat mRNA with 2 open reading frames//6.6e-83:584:82//Hs.23094:M19503
         R-PLACE1007053//ESTs//4.2e-85:550:88//Hs.7984:AI202575
15
         R-PLACE1007097//ESTs//6.4e-78:493:86//Hs.56406:N91027
         R-PLACE1007105//ESTs//5.3e-70:381:91//Hs.22605:N74202
         R-PLACE1007111//ESTs//8.6e-75:358:99//Hs.145629:AA398646
         R-PLACE1007112//ESTs//6.9e-69:371:94//Hs.71922:AA148417
20
         R-PLACE1007132//ESTs//1.2e-36:373:69//Hs.10762:W28948
         R-PLACE1007140//ESTs//1.7e-70:360:96//Hs.56179:W56794
         R-PLACE1007178//EST//0.68:85:65//Hs.147010:AI184765
         R-PLACE1007226//ESTs//3.1e-78:452:90//Hs.8033:N94998
         R-PLACE1007238//ESTs//5.2e-70:362:95//Hs.85636:AA740619
25
         R-PLACE1007239//Human mRNA for transcription elongation factor S-II, hS-II-T1, complete cds//6.3e-93:534:
         89//Hs.80598:D50495
         R-PLACE1007242//ESTS//1.2e-80:390:98//Hs.117325:AA699450
         R-PLACE1007243//ESTs, Weakly similar to transporter protein [H. sapiens]//3.7e-73:357:98//Hs.18272:N78499
         R-PLACE1007257//Homo sapiens mRNA for dia-156 protein//4.3e-85:487:91//Hs.121556:Y15909
         R-PLACE1007274//ESTs//4.3e-79:430:93//Hs.146023 AI275071
30
         R-PLACE1007276//ESTs//1.5e-33:338:74//Hs.142850:R38419
         R-PLACE1007282//ESTs//4.8e-98:532:93//Hs.10071:AA100812
         R-PLACE1007286//Human mRNA for KIAA0118 gene, partial cds//2.9e-50:518:74//Hs.154326:D42087
         R-PLACE1007301
35
         R-PLACE1007317
         R-PLACE1007342
         R-PLACE1007346//Homo sapiens estrogen-responsive B box protein (EBBP) mRNA, complete cds//1.2e-66:367:
         91//Hs.76596:AF096870
         R-PLACE1007367//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//2.2e-98:
40
         488:96//Hs.24359:AA699594
         R-PLACE1007375//ESTs//2.3e-67:375:92//Hs.33368:AA206614
         R-PLACE1007386//ESTs//0.020:242:62//Hs.42768:AI129945
         R-PLACE1007402//ESTs//1.6e-91:441:97//Hs.26243:AA455877
         R-PLACE1007409//Homo sapiens mitoxantrone resistance protein 1 mRNA, partial sequence//2.4e-113:590:94//
45
         Hs.14387:AF093771
         R-PLACE1007416//ESTs, Weakly similar to DIPEPTIDYL PEPTIDASE IV [H.sapiens]//3.8e-115:579:95//Hs.
         72165:AI243857
         R-PLACE1007450//Human macrophage-derived chemokine precursor (MDC) mRNA, complete cds//2.7e-38:311:
         80//Hs.97203:U83171
50
         R-PLACE1007452//EST//2.5e-42:386:77//Hs.140562:AA826514
         R-PLACE1007460//ESTs//4.9e-87:434:95//Hs.28472:AI028230
         R-PLACE1007478
         R-PLACE1007484//ESTs//6.8e-08:64:92//Hs.100251:AA535975
         R-PLACE1007488//Dystrophin (muscular dystrophy, Duchenne and Becker types), includes DXS142, DXS164,
55
         DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272//0.26:411:60//Hs.79012:M18533
         R-PLACE1007507//ESTs//2.2e-11:136:76//Hs.128815:AA678072
        R-PLACE1007511//ESTs, Highly similar to KERATIN, TYPE I CYTOSKELETAL 14 [Homo sapiens]//1.5e-41:261:
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89//Hs.9029:W57657

- R-PLACE1007524//ESTs//5.8e-45:297:87//Hs.154923:AA491377
- R-PLACE1007525//Human mRNA for KIAA0118 gene, partial cds//1.9e-44:422:75//Hs.154326:D42087
- R-PLACE1007544//ESTs//8.4e-59:327:93//Hs.27410:N25612
- R-PLACE1007547//EST//0.00010:107:71//Hs.146867:AI161404
- <sup>5</sup> R-PLACE1007557//ESTs//1.6e-43:356:79//Hs.44702:AI148840
  - R-PLACE1007583//ESTs//1.7e-41:214:97//Hs.155071:AA584257
  - R-PLACE1007598//Homo sapiens clone 23939 mRNA sequence//4.8e-104:554:93//Hs.21838:AF038179
  - R-PLACE1007618//Lymphocyte cytosolic protein 1 (L-plastin)//0.54:l61:65//Hs.76506:J02923
  - R-PLACE1007621//Homo sapiens clone 23859 mRNA sequence//4.8e-105:537:94//Hs.151046:AF038176
- 10 R-PLACE1007632
  - R-PLACE1007645//ESTs//0.99:187:62//Hs.163453:AI344106
  - R-PLACE1007649//ESTs//2.2e-108:561:94//Hs.24398:AI262946
  - R-PLACE1007677//ESTs, Moderately similar to !!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!! [H.sapiens]// 9.0e-37:190:97//Hs.23437;AA707331
- 15 R-PLACE1007688//ESTs//7.5e-79:409:95//Hs.6166:Al376944
  - R-PLACE1007690//ESTs, Weakly similar to NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 [Ascaris suum] //3.4e-61:384;89//Hs.92918:AA133274
  - R-PLACE1007697//ESTs, Highly similar to GCN20 PROTEIN [Saccharomyces cerevisiae]//1.8e-84:501:88//Hs. 91251:U66685
- 20 R-PLACE1007705//Human mRNA for apolipoprotein E receptor 2, complete cds//0.43:307:59//Hs.54481:D86407 R-PLACE1007706//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds//5.7e-75:374:96//Hs.4812: AF061243
  - R-PLACE1007725//ESTs, Weakly similar to No definition line found [C.elegans]//3.1e-39:253:88//Hs.108797: AA476815
- <sup>25</sup> R-PLACE1007729//ESTs//2.7e-44:392:79//Hs.142375:AA398619
  - R-PLACE1007730//Homo sapiens mRNA for KIAA0685 protein, complete cds//6.7e-94:556:89//Hs.153121: AB014585
  - R-PLACE1007737//ESTs//1.1e-41:345:80//Hs.114671:N39322
  - R-PLACE1007743//ESTs//2.8e-17:98:100//Hs.124258:AA976778
- <sup>30</sup> R-PLACE1007746//ESTs//5.3e-69:413:90//Hs.5297:AA156903
  - R-PLACE1007791//ESTS, Weakly similar to TEICHOIC ACID BIOSYNTHESIS PROTEIN A [Bacillus subtilis]// 8.6e-27:143:98//Hs.144194;AA706337
  - R-PLACE1007807//Human Line-1 repeat mRNA with 2 open reading frames//9.9e-45:428:76//Hs.23094:M 9503 R-PLACE1007810//ESTs//5.9e-15:143:82//Hs.126257:Al279044
- 35 R-PLACE1007829//ESTs//2.2e-22:190:84//Hs.142707:W24050
  - R-PLACE1007843//ESTs//5.3e-110:556:95//Hs.107287:Al308839
  - R-PLACE1007846//Human Line-1 repeat mRNA with 2 open reading frames//1.7e-95:525:91//Hs.23094:M19503 R-PLACE1007852//ESTs//4.5e-14:174:75//Hs.153419:N52017
  - R-PLACE1007858//Homo sapiens mRNA for KIAA0766 protein, complete cds//2.1e-111:574:94//Hs.28020:
- 40 AB018309
  - R-PLACE1007866//EST//1.8e-48:262:96//Hs.141009:H01178
  - R-PLACE1007877//ESTs//1.2e-94:478:96//Hs.5999:AI207832
  - R-PLACE1007897//ESTs//2.3e-92:437:99//Hs.122843:AI189060
  - R-PLACE1007908//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//2.8e-89:460:95//Hs.
- 45 92381:AB007956
  - R-PLACE1007946//ESTs//2.8e-28:172:78//Hs.126784:AA521510
  - R-PLACE1007954//ESTs//6.1e-72:366:95//Hs.27842:AI217966
  - R-PLACE1007955//Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds//3.9e-103:509:96//Hs. 5671:AF084530
- 50 R-PLACE1007958//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds//7.2e-89: 465:93//Hs.78106:AF079529
  - R-PLACE1007969//ESTs, Weakly similar to F35C12.2 [C.elegans]//1.4e-113:534:99//Hs.44268:AA455900
  - R-PLACE1007990//ESTs, Highly similar to DOSAGE COMPENSATION REGULATOR [Drosophila melanogaster) //3.8e-97:493:95//Hs.6141:U69564
- 55 R-PLACE1008000//ESTs//0.00013:241:65//Hs.44369:Al206835
  - R-PLACE1008002//ESTs//2.2e-83:397:98//Hs.28780:AI263612
  - R-PLACE1008044//ESTs, Moderately similar to NUCLEAR PORE COMPLEX PROTEIN NUP107 [R.norvegicus] //2.0e-115:575:95//Hs.92395;AA779854

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R-PLACE1008045//EST//2.6e-89:465:94//Hs.47374:N51935
         R-PLACE1008080//EST//0.27:118:65//Hs.144110:AI054269
         R-PLACE1008095//ESTs//5.5e-23:268:73//Hs.152525;AA516469
         R-PLACE1008111//ESTs, Weakly similar to oxidoreductase [H.sapiens]//4.4e-108:537:96//Hs.28877:Al309334
 5
         R-PLACE1008122//ESTs//6.5e-103:531:94//Hs.34737:AI028617
         R-PLACE1008129//ESTs//0.76:96:66//Hs.65373:AA883511
         R-PLACE1008132//ESTs//5.9e-05:113:72//Hs.13014:W26381
         R-PLACE1008177//ESTs//7.2e-107:557:93//Hs.132851:AI028266
         R-PLACE1008181//ESTs//5.3e-97:473:97//Hs.57483:AA776267
10
         R-PLACE1008198//ESTs//3.9e-16:120:85//Hs.9142:AA662107
         R-nnnnnnnnnn/Homo sapiens mRNA for KIAA0530 protein, partial cds//1.6e-104:551:93//Hs.10801:AB011102
         R-PLACE1008209//ESTs//L2e-72:366:96//Hs.92308:AI052701
         R-PLACE1008231//ESTs//1.2e-70;363;94//Hs.25094;R80871
         R-PLACE1008244//ESTs//1.3e-98:543:92//Hs.25130:AA218990
         R-PLACE1008273//ESTs//6.1e-16:153:79//Hs.115987:AA483808
15
         R-nnnnnnnnnnn
         R-PLACE1008280//ESTs//1.3e-66:353:94//Hs.156376:AI338705
         R-PLACE1008309//ESTs//2.8e-100:511:95//Hs.45080:N49852
         R-PLACE1008329//V-myc avian myelocytomatosis viral oncogene homolog//0.53:206:62//Hs.79070:K02276
20
         R-PLACE1008330//ESTs, Weakly similar to EOSINOPHIL LYSOPHOSPHOLIPASE [H.sapiens]//8.6e-79:297:91//
         Hs.146477:AI128445
         R-PLACE1008331//ESTs//0.98:156:62//Hs.108548:AA081656
         R-PLACE1008356//Homo sapiens mRNA for KIAA0679 protein, partial cds//2.1e-99:556:90//Hs.5734:AB014579
         R-PLACE1008368//EST//0.0027:198:63//Hs.160868:AI359052
25
         R-PLACE1008369//ESTs//5.4e-28:167:92//Hs.19530:AA480009
         R-PLACE1008392//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//2.0e-
         41:448:72//Hs.139007:H74314
         R-PLACE1008398//ESTs, Highly similar to Mig-6//1.4e-103:529:94//Hs.11169:AA156242
         R-PLACE1008401//ESTs. Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.2e-81:
         536:87//Hs.7570:W31010
30
         R-nnnnnnnnnnnnn/Homo sapiens mRNA for p115, complete cds//5.1e-103:521:95//Hs.7763:D86326
         R-PLACE1008405//ESTs//1.2e-89:485:92//Hs.138241:AA767440
         R-PLACE1008424//ESTs//6.7e-97:508:93//Hs.6709:AI379778
         R-PLACE1008426//ESTs//5.5e-30:174:92//Hs.7946:AA651757
35
         R-PLACE1008429//ESTs//2.1e-12:188:71//Hs.140769;AA931562
         R-PLACE1008437//ESTs//7.1e-54:266:98//Hs.13068:AA001928
         R-PLACE1008455//ESTs//4.7e-69:471:85//Hs.28337:AA210761
         R-PLACE1008457//EST//8.6e-14:202:71//Hs.149887:AI289387
         R-PLACE1008465//ESTs//3.8e-80:426:93//Hs.153146:AI299636
40
         R-PLACE1008488//ESTs//7.9e-73:388:94//Hs.97268:AA292180
         R-PLACE1008524//ESTs//7.4e-107:545:95//Hs.10441:N62816
         R-PLACE1008531//ESTs//3.8e-68:427:87//Hs.56607:H23560
         R-PLACE1008532
         R-PLACE1008533//ESTs//2.5e-52:318:88//Hs.7274:AA476850
45
         R-PLACE1008568//ESTs//3.2e-99:486:97//Hs.84414:AI423223
         R-PLACE1008584//EST//2.2e-18:154:68//Hs.141498:N50064
         R-PLACE1008621//ESTS, Weakly similar to line-1 protein ORF1 [H.sapiens]//8.6e-67:483:82//Hs.140416:
         AA778649
         R-nnnnnnnnnnn
50
         R-PLACE1008626//ESTs//4.7e-73:372:95//Hs.23491:AA642454
         R-PLACE1008627//ESTS//1.6e-90:475:93//Hs.102401:Al004972
         R-PLACE1008629//ESTs//8.0e-93:492:93//Hs.20843:AA699512
         R-PLACE1008630//ESTs//1.0e-94:453:98//Hs.34840:AI279612
         R-PLACE1008643//Human mRNA for KIAA0355 gene, complete cds//2.8e-49:422:79//Hs.153014:AB002353
         R-PLACE10086507/Homo sapiens pleiotropic regulator 1 (PLRG1) mRNA, complete cds//7.9e-90:434:97//Hs.
55
         147967-AF044333
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R-PLACE1008693//ISLET AMYLOID POLYPEPTIDE PRECURSOR//1.8e-41:505:71//Hs.51048:X68830 R-PLACE1008696//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//1.7e-51:316:

76//Hs.1361:M55053

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R-PLACE1008715//EST//0.63:114:64//Hs.121353:AA758600
          R-PLACE1008748//ESTs, Weakly similar to !!!! ALU CLASS B WARNING ENTRY !!!! [H.sapiens]//2.3e-40:281:
          83//Hs.142209:AA873303
 5
          R-PLACE1008757//ESTs//1.4e-45:226:99//Hs.22822:H06408
          R-PLACE1008790//ESTs//0.035:67:76//Hs.153554:AI286313
         R-PLACE1008798//ESTs//4.9e-59:285:99//Hs.49018:N79930
          R-PLACE1008807//ESTs//1.7e-82:413:96//Hs.130745:AA573217
         R-PLACE1008808//Homo sapiens putative checkpoint control protein HRAD1 mRNA, complete cds//1.1e-98:499:
10
         95//Hs.7179:AF011905
         R-PLACE1008813//ESTs, Weakly similar to coded for by C. elegans cDNA cm10e3 [C.elegans]//4.2e-92:490:93//
         Hs 110454 H11810
         R-PLACE1008851//ESTs//2.4e-84:421:95//Hs.158893:AI378428
         R-nnnnnnnnnnn
         R-PLACE1008867//ESTs//1.1e-77:400:95//Hs.44198:AI093502
15
         R-PLACE1008887//0xytocin receptor//1.1e-43:601:67//Hs.2820:X64878
         R-PLACE1008902//ESTs//0.023:208:61//Hs.154164:AI246893
         R-PLACE1008920//Homo sapiens mRNA for KIAA0765 protein, partial cds//2.6e-56:344:89//Hs.62318:AB018308
         R-PLACE1008925//ESTs//0.17:294:57//Hs.105113:AA457018
20
         R-PLACE1008934//ESTs//2.0e-61:339:92//Hs.100448:AA622653
         R-PLACE1008941//ESTs, Moderately similar to ATP-BINDING CASSETTE TRANSPORTER 2 [Mus musculus]//
        、1.3e-19:488:63//Hs.15780:U66680
         R-PLACE1008947//ESTs//1.3e-81:385:99//Hs.71574:Al376573
         R-PLACE1009020//ESTs//2.9e-79:419:94//Hs.121816:AA775419
25
         R-PLACE1009027//Homo sapiens mRNA for doublecortin//3.1e-82:434:94//Hs.34780:AJ003112
         R-PLACE1009039//ESTs//2.8e-83:448:92//Hs.129179:AA988520
         R-PLACE1009045//ESTs//1.6e-64:318:97//Hs.103423:AA814195
         R-PLACE1009048//ESTs//2.7e-17:403:63//Hs.149343:AI249139
         R-PLACE1009050//ESTs//2.0e-88:475:92//Hs.122925:AA909008
         R-PLACE1009060//ESTs, Highly similar to HYPOTHETICAL 98.3 KD PROTEIN R10E12.1 IN CHROMOSOME
30
         III [Caenorhabditis elegans]//1.2e-112:555:96//Hs.9663:AA527142
         R-PLACE1009090//ESTs//5.0e-13:175:75//Hs.140608:N53448
         R-PLACE1009094//Human splicing factor SRp30c mRNA, complete cds//0.98:161:63//Hs.77608:AL021546
         R-PLACE1009099//ESTs, Highly similar to MKR2 PROTEIN [Mus musculus]//0.037:63:84//Hs.39943:AA203136
35
         R-PLACE1009110//EST//5.8e-17:307:65//Hs.117264:AA682549
         R-PLACE1009111//ESTs//1.9e-57:349:90//Hs.11260:N98983
         R-PLACE1009130//ESTs, Weakly similar to hypothetical protein 2 [H.sapiens]//6.5e-97:501:94//Hs.11123:
         AA703945
         R-PLACE1009150//LAMIN B1//0.064:393:60//Hs.89497:L37747
40
         R-PLACE1009155/TESTs, Moderately similar to ovarian-specific protein [R.norvegicus]//2.5e-36:163:82//Hs.
         93332:AA811920
         R-PLACE1009158//ESTs//0.30:149:65//Hs.155796:R80005
         R-PLACE1009166//ESTs//3.3e-34:292:77//Hs.140255:AA708322
         R-PLACE1009172//EST//8.9e-21:364:67//Hs.142557:AA464948
45
         R-PLACE1009174//ESTs//2.9e-18:274:70//Hs.139241:AA283707
         R-PLACE1009183//ESTs//2.3e-44:297:87//Hs.136839:H93717
         R-PLACE10091867/ESTs, Weakly similar to No definition line found [C.elegans]//1.5e-109:572:94//Hs.54943:
         R-PLACE1009190//ESTs//2.6e-53:318:90//Hs.25245:AA176701
50
         R-PLACE1009200//H.sapiens mRNA for sortilin//3.2e-33:195:92//Hs.104247:X98248
         R-PLACE1009230//ESTs//3.0e-31:153:92//Hs.124116:AA772680
         R-PLACE1009246//ESTs//2.7e-90:488:92//Hs.10706:AA909018
         R-PLACE1009308//ESTs//0.022:46:97//Hs.36545:AA075423
         R-PLACE1009319//ESTs//7.7e-99:533:92//Hs.109654:N91279
         R-PLACE1009328//Human Line-1 repeat mRNA with 2 open reading frames//7.3e-82:578:82//Hs.23094:M19503
55
         R-PLACE1009335//EST//1.3e-64:311:99//Hs.130558:AI004397
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R-PLACE1009338//ESTs//6.0e-70:386:93//Hs.3542:AI015782 R-PLACE1009368//ESTs//1.4e-18:107:98//Hs.133303:W04760

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R-PLACE1009375//ESTs//8.9e-36:313:76//Hs.24608:AA161260
         R-PLACE1009388//EST//4.4e-11:101:83//Hs.147074:AI188883
         R-PLACE1009398//ESTs//5.7e-63:335:93//Hs.149003:AI243186
         R-nnnnnnnnnnn//ESTs//3.6e-94:452:98//Hs.103177:W72798
5
         R-PLACE1009410//ESTs//2.2e-112:553:96//Hs.61779:AA195255
         R-PLACE1009434//EST//3.4e-15:109:74//Hs.103742:U48632
         R-PLACE1009443//EST//7.5e-61:302:98//Hs.157787:AI361269
         R-PLACE1099444//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA//6.6e-85:479:90//Hs.76987:AF012872
         R-PLACE1009459//ESTs//9.3e-86:437:95//Hs.104871:AI161427
10
         R-PLACE1009476//Homo sapiens Chromosome 16 BAC clone ClT987SK-A-67A1//1.3e-42:266:89//Hs.155049:
         AC004531
         R-PLACE1009477//ESTs//2.0e-50:367:82//Hs.152788:AA630925
         R-PLACE1009493//ESTs//4.5e-14:150:78//Hs.143918:AA699596
         R-PLACE1009524//ESTs//2.9e-97:454:99//Hs.7189:AA767698
         R-PLACE1009539//ESTs//9.1e-94:454:97//Hs.154706:AI262131
15
         R-PLACE1009542//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//1.4e-10:
         289:63//Hs.77579:AF013263
         R-PLACE1009571//ESTs//2.1e-23:125:100//Hs.41767:AA732326
         R-PLACE1009581//ESTS, Weakly similar to FIBRINOGEN ALPHA AND ALPHA-E CHAIN PRECURSORS [H.
20
         sapiens]//0.0012:56:91//Hs.12151:AA001818
         R-PLACE1009595//Homo sapiens mRNA for KIAA0635 protein, complete cds//6.0e-42:547:70//Hs.69157:
         AB014535
         R-PLACE1009596//ESTs//1.9e-102:588:90//Hs.142395:AI374735
         R-PLACE1009607//ESTs//0.0093:107:70//Hs.70932:AA126482
25
         R-PLACE1009613//ESTs//7.5e-101:488:97//Hs.5905:AA946680
         R-PLACE1009621//EST//0.99:261:60//Hs.149030;AI243338
         R-PLACE1009622//ESTs//8.0e-93:508:92//Hs.20967:AI422858
         R-PLACE1009637//EST//8.7e-90:442:97//Hs.121372:AA758701
         R-PLACE1009639//EST//8.5e-49:279:93//Hs.117447:R27213
         R-PLACE1009659//Homo sapiens mRNA for KIAA0587 protein, complete cds//3.3e-109:589:92//Hs.21862:
         AR011159
         R-PLACE1009665//ESTs, Weakly similar to line-1 protein ORF1 [H.sapiens]//9.9e-62:483:79//Hs.140416:
         AA778649
         R-PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds//6.6e-63:310:97//Hs.109590:AF062534
35
         R-PLACE1009708//ESTs//3.Oe-94:471:96//Hs.40091:N48582
         R-PLACE1009721//ESTs, Weakly similar to MSF1 PROTEIN [S.cerevisiae]//4.2e-98:529:92//Hs.3945;AA004210
         R-PLACE1009731/TESTs, Weakly similar to immune associated protein 38 [M.musculus]//6.8e-85:489:89//Hs.
         26194:AA033989
         R-PLACE1009763//Homo sapiens UBA3 (UBA3) mRNA, complete cds//2.0e-117:598:95//Hs.154320:AF046024
40
         R-PLACE1009794//ESTs//7.9e-102:529:95//Hs.42927:N20989
         R-nnnnnnnnnn//Human DNA sequence from clone 1189B24 on chromosome Xq25-26.3. Contains NADH-Ubi-
         quinone Oxidoreductase MLRQ subunit (EC 1.6.5.3, EC 1.6.99.3, CI-MLRQ), Tubulin Beta and Proto-oncogene
         Tyrosine-protein Kinase FER (EC 2.7.1.112, P94-FER, C-FER, TYK3) pseudogenes, and part of a novel gene
         similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8. Contains ESTs and GSSs//1.1e-
45
         113:549:97//Hs.16411:AL030996
         R-PLACE1009845//ESTs//9.5e-106:560:93//Hs.117751:AI056868
         R-PLACE1009879//ESTs//1.8e-61:399:86//Hs.141012:R68748
         R-PLACE1009886//EST//0.54:153:64//Hs.144281:AA081328
         R-PLACE1009888//ESTs//2.7e-105:520:97//Hs.108646:AA613031
50
         R-nnnnnnnnn//ESTs, Weakly similar to similar to mouse MMR1 [C.elegans]//1.6e-114:594:94//Hs.67466:
         AI219740
         R-PLACE1009921//ESTs//7.6e-05:291:60//Hs.124786:AA825563
         R-PLACE1009924//EST//1.2e-42:216:98//Hs.31742:H20276
         R-PLACE1009925//ESTs//5.4e-30:154:100//Hs.114605:AI04317
         R-PLACE1009935//ESTs//1.4e-83:417:97//Hs.131755:AA496543
55
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R-PLACE1009947//Keratin 9//1.0:273:61//Hs.2783:Z29074 R-PLACE1009971//ESTs//1.5e-87:424:98//Hs.13781:AI160540 R-PLACE1009992//ESTs//1.3e-87:531:87//Hs.55044:AA460698

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R-PLACE1009995//ESTs//1.3e-103:575:91//Hs.71218:C75347
         R-PLACE1009997//Small inducible cytokine A5 (RANTES)//1.1e-42;286;86//Hs.155464;AF088219
         R-PLACE1010023//ESTs, Weakly similar to C27F2.7 gene product [C.elegans]//1.7e-17:137:86//Hs.7049:
         R-PLACE1010031//ESTs//0.22:191:62//Hs.127787:AA832204
5
         R-PLACE1010053//ESTs, Moderately similar to spermatid perinuclear RNA-binding protein Spur [M.musculus]//
         7.6e-104:546:94//Hs.8215:AA521150
         R-PLACE1010069//ESTs//0.99:173:59//Hs.21415:AI150905
         R-PLACE1010074//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds//1.5e-88:543:88//Hs.
10
         11183AF065482
         R-PLACE1010076//ESTs//3.4e-106:530:95//Hs.28005:AA604375
         R-PLACE1010083//ESTs//4.1e-65:395:88//Hs.6103:AA496424
         R-PLACE1010089//ESTs//1.6e-70:348:97//Hs.9011:AA418615
         R-PLACE1010096//ESTs, Highly similar to hypothetical protein, 100K [R.norvegicus]//2.8e-104:565:92//Hs.11469:
15
         R-PLACE1010102//ESTs//7.7e-50:311:89//Hs.5518:AI052015
         R-PLACE1010105//ESTs//6.0e-94:483:94//Hs.62684:AA806103
         R-PLACE1010106//ESTs, Weakly similar to putative p150 [H.sapiens]//1.6e-107:575:93//Hs.48301:AA122270
         R-PLACE1010134//EST//8.5e-59:314:94//Hs.135005:AI095130
20
         R-PLACE1010148//A-KINASE ANCHOR PROTEIN 79//0.52:351:56//Hs.48714:M90359
         R-PLACE1010152//ESTS//1.9e-40:240:90//Hs.17054:AI139897
         R-PLACE1010181//ESTs//3.6e-64:307:99//Hs.154163:AJ003313
         R-PLACE1010194//ESTs//2.7e-70:366:96//Hs.5301:T58466
         R-PLACE1010202//ESTs//0.57:120:67//Hs.58873:W95037
25
        R-PLACE1010231
        R-PLACE1010261//EST//6.9e-50:251:98//Hs.148208:AA897478
        R-PLACE1010270//ESTs//1.9e-87:430:96//Hs.25252:AI079545
        R-PLACE1010274//ESTs//1.9e-57:439:81//Hs.30078:H04535
        R-PLACE1010293//ESTs//8.1e-41:310:81//Hs.146811:AA410788
        R-PLACE1010321//ESTs//5.7e-50:246:99//Hs.151445:AA351081
        R-PLACE1010324//ESTs//0.00025:377:60//Hs.97430:AA398568
        R-PLACE1010329//Small inducible cytokine A5 (RANTES)//2.4e-40:300:82//Hs.155464:AF088219
        R-PLACE1010341//EST, Moderately similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//9.9e-
        32:190:77//Hs.152369:AA504818
35
        R-PLACE1010362//ESTs//8.2e-86:404:99//Hs.25625:AA669327
        R-PLACE1010364//ESTs//1.5e-105:556:93//Hs.12229:AA149594
        R-PLACE1010383//Homo sapiens mRNA for putative lipoic acid synthetase, partial//4.9e-35:166:86//Hs.53531:
         R-PLACE1010401//ESTs//2.3e-85:450:93//Hs.23193:AA418152
40
        R-PLACE1010481//ESTs//0.012:280:59//Hs.5579:Al392816
        R-PLACE1010491//Homo sapiens Cre binding protein-like 2 mRNA, complete cds//2.4e-89:438:96//Hs.13313:
        AF039081
        R-PLACE1010492
        R-PLACE1010522//EST//0.43:82:68//Hs.89303;AA284031
45
        R-nnnnnnnnn//ESTs//3.4e-36:228:89//Hs.128724:AA215455
        R-PLACE1010562//ESTs//4.8e-68:408:90//Hs.17244:W86306
        R-PLACE1010579//EST//0.015:193:63//Hs.67093:C14033
        R-PLACE1010580//ESTs//2.4e-93:445:98//Hs.127325:AA234116
        R-PLACE1010599
50
        R-PLACE1010616//ESTs//2.9e-101:497:97//Hs.142197:AA573418
        R-PLACE1010622//ESTs//7.1e-23:157:91//Hs.159877:N57895
        R-PLACE1010624//ESTs//1.4e-89:428:98//Hs.116561:AA658475
        R-PLACE1010628//ESTS, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//6.4e-74:
        391:95//Hs.163495:W57637
        R-PLACE1010629//ESTs//5.8e-75:359:99//Hs.123630:AI250805
        R-PLACE1010630//ESTs//9.5e-101:519:94//Hs.77873:AA731719
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R-PLACE1010631//Homo sapiens mRNA for KIAA0530 protein, partial cds//8.3e-94:497:93//Hs.10801:AB011102 R-PLACE1010661//ESTs, Highly similar to TESTIS-SPECIFIC PROTEIN PBS13 [Mus musculus]//4.8e-83:467:

91//Hs.22383:R51067

R-PLACE1010662//ESTs, Weakly similar to UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR [D.melanogaster]//8.3e-103:538:94//Hs.105794:AA701659

R-PLACE1010702//Homo sapiens DNA from chromosome 19, BAC 33152//4.8e-46:531:71//Hs.55452:AC003973

5 R-PLACE1010714//Human organic anion transporting polypeptide (OATP) mRNA, complete cds//0.0074:351:60// Hs.46440:U21943

R-PLACE1010720//Homo sapiens chromosome-associated protein-C (hCAP-C) mRNA, partial cds//1.2e-56:300: 95//Hs.50758:AF092564

R-PLACE1010739//Homo sapiens mRNA for oligophrenin 1//2.6e-84:501:88//Hs.158122:AJ001189

10 R-PLACE1010743

R-PLACE1010761//Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds//5.2e-94:442:96//Hs.3688;AF069250

R-PLACE1010771//ESTs//3.8e-54:264:99//Hs.27299:AI074024

R-PLACE1010786//ESTs, Highly similar to MYOSIN HEAVY CHAIN IB [Acanthamoeba castellanii]//7.6e-111:575:

<sup>15</sup> 94//Hs.10260:AI126627

R-PLACE1010800//ESTs//1.9e-109:557:95//Hs.11460:AA057558

R-PLACE1010802//ESTs//0.00021:428:5 8//Hs.70258:AI091203

R-PLACE1010811//ESTs//7.4e-73:394:93//Hs.48499:AA428896

R-PLACE1010833//ESTs//9.0e-33:274:78//Hs.24391:W27472

<sup>20</sup> R-PLACE1010856//ESTs//5.8e-41:351:81//Hs.17401:W81048

R-PLACE1010857//ESTs, Weakly similar to T14B4.2 gene product [C.elegans]//1.4e-71:326:92//Hs.3385:N25917 R-PLACE1010870//ESTs//5.8e-57:303:96//1Hs.30503:H05090

R-PLACE1010877//Homo sapiens mRNA for KIAA0610 protein, partial cds//2.3e-101:501:96//Hs.118087: AB011182

25 R-PLACE1010891

R-PLACE1010896//EST//0.0039;249;57//Hs.126090;AA867983

R-PLACE1010900//Human Xq28 mRNA, complete cds//3.3e-07:106:76//Hs.20136:U46023

R-PLACE1010916//Plasminogen activator inhibitor, type II (arginine-serpin)//0.25:190:61//Hs.75716:Y00630

R-PLACE1010917//ESTs//1.3e-82:452:92//Hs.68055:AA081093

<sup>30</sup> R-PLACE1010925//ESTs//1.1e-92:471:95//Hs.17448:AI125479

R-PLACE1010926//Homo sapiens mRNA for KIAA0554 protein, partial cds//1.3e-66:402:89//Hs.74750:AB011126 R-nnnnnnnnnn//Homo sapiens intersectin short form mRNA, complete cds//8.9e-82:441:93//Hs.66392: AF064244

R-PLACE1010944

35 R-PLACE1010947//ESTs//6.7e-15:102:91//Hs.116808;AA211519

R-PLACE1010954//Small inducible cytokine A5 (RANTES)//8.8e-51:278:93//Hs.155464:AF088219

R-PLACE1010960//ESTs, Highly similar to ACTIN-LIKE PROTEIN 13E [Drosophila melanogaster]//1.0e-103:565: 92//Hs.23259:AA532437

R-PLACE1010965//EST//6.3e-80:447:91//Hs.139529:AA219580

40 R-PLACE1011026//ESTs//4.6e-99:463:99//Hs.149732:AI199846

R-PLACE1011032//ESTs//6.3e-56:295:94//Hs.143576:AI147867

R-PLACE1011041//ESTs//5.3e-27:168:91//Hs.7936:AA923249

R-nnnnnnnnn/Homo sapiens mRNA for KIAA0581 protein, partial cds//9.4e-102:563:91//Hs.41143:AB011153 R-PLACE1011054//EST//1.1e-15:245:69//Hs.112648:AA609135

45 R-PLACE1011056//Small inducible cytokine A5 (RANTES)//3.5e-38:285:82//Hs.155464:AF088219

R-PLACE1011057//ESTs//3.5e-81:410:96//Hs.96499:AA252537

R-PLACE1011090//ESTS. Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.6e-54: 398:84//Hs.108740:W20094

R-PLACE1011109//EST//1.3e-48:321:85//Hs.146794:AI149478

50 R-PLACE101111 4//ESTs//5.4e-90:475:94//Hs.69331:AA099587

R-PLACE1011133//ESTs, Highly similar to 40 KD PROTEIN [Borna disease virus]//3.0e-105:552:93//Hs.31257:

R-PLACE1011143//ESTs//0.40:127:65//Hs.118701:AA420795

R-PLACE1011160//Homa sapiens mRNA for HRIHFB2038, partial cds//7.7e-97:534:91//Hs.28719:AB015333

55 R-PLACE1011165//ESTs//1.0:135:69//Hs.32163:AI374673

R-PLACE1011185//ESTs, Weakly similar to !!!! ALU CLASS B WARNING ENTRY !!!! [H.sapiens]//3.4e-85:442: 95//Hs.136910:AA810782

R-PLACE1011203//EST//0.0047:268:60//Hs.68832:AA088438

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R-PLACE1011219//ESTs//7.6e-96:504:93//Hs.124834:AI138671
         R-PLACE1011221//ESTs//5.2e-23:241:78//Hs.26761:AA203299
         R-PLACE1011229//ESTs//1.9e-90:461:95//Hs.132288;AI027693
         R-PLACE1011263//ESTs//6.6e-56:321:93//Hs.158787:W79602
5
         R-PLACE1011273//ESTs//0.016:131:65//Hs.140466:AA766772
         R-PLACE1011291//EST//8.7e-47:267:91//Hs.158806:AI376913
         R-PLACE1011296//EST//2.7e-38:225:92//Hs.160934:AI376849
         R-PLACE1011310//ESTs//9.1e-37:196:96//Hs.39328:H71807
         R-PLACE1011325//Human clone 23721 mRNA sequence//0.0012:486:58//Hs.83572:U79291
10
         R-PLACE1011332//ESTs//8.4e-44:217:99//Hs.101365:R60578
         R-PLACE1011340//ESTs, Weakly similar to TEICHOIC ACID BIOSYNTHESIS PROTEIN A [Bacillus subtilis]//3.4e-
         92:452:97//Hs.144194:AA706337
         R-PLACE1011375//ESTs//2.2e-35:195:96//Hs.106486:H11376
         R-PLACE1011399//ESTs//0.00096;224:67//Hs.151643;AA001194
15
         R-PLACE1011419//ESTs//4.9e-50:267:95//Hs.7045;AA167337
         R-nnnnnnnnnnn//Homo sapiens mRNA for KIAA0530 protein, partial cds//4.8e-114:600:94//Hs.10801:
         AB011102
         R-PLACE1011452//Homo sapiens mRNA for KIAA0707 protein, partial cds//3.7e-32:310:76//Hs.138488:
         AB014607
20
         R-PLACE1011465//ESTs//4.5e-86:471:93//Hs.144519:R70887
         R-PLACE1011472//Homo sapiens mRNA for KIAA0712 protein, complete cds//2.6e-104:515:96//Hs.111138:
         AB018255
         R-PLACE1011492//ESTs//1.7e-96:488:95//Hs.116555:AA639278
         R-PLACE1011503//Homo sapiens clone 23597 mRNA sequence//1.0:193:60//Hs.28197:AF035294
25
         R-PLACE1011520//ESTs//6.8e-99:477:97//Hs.85077:AA968576
         R-PLACE1011563//ESTs//1.4e-94:514:92//Hs.16471:AA206421
         R-PLACE1011567//EST//2.8e-89:417:100//Hs.149770;Al285985
         R-PLACE1011576//Zinc finger protein 91 (HPF7, HTF10)//4.7e-55:267:81//Hs.8597:L11672
         R-PLACE1011586//Myosin, heavy polypeptide 11, smooth muscle//0.98:168:61//Hs.78344:AF001548
30
         R-PLACE1011635//ESTs//2.5e-67:332:98//Hs.108194:AA780067
         R-PLACE1011641//ESTs//2.5e-71:J38:100//Hs.153085:AA993965
         R-PLACE1011643//EST//1.9e-18:181:78//Hs.160879:AI361900
         R-PLACE1011649//Homo sapiens clone 24432 mRNA sequence//2.5e-73:414:91//Hs.78019:AF070535
         R-PLACE1011650//EST//5.8e-18:118:92//Hs.124486:AA846036
35
         R-PLACE1011664//Restin (Reed-Steinberg cell-expressed intermediate filament-associated protein)//0.50:178:
         62//Hs.31638:X64838
         R-PLACE1011675
         R-PLACE1011682//ESTs//2.4e-90:465:94//Hs.57830:Al312025
         R-PLACE1011719//Human Line-1 repeat mRNA with 2 open reading frames//8.5e-57;410:83//Hs.23094:M19503
40
         R-PLACE1011725//ESTs//2.0e-70:340:98//Hs.161725:AA251392
         R-PLACE1011729//ESTs//7.5e-19:180:79//Hs.119516:AA443426
         R-PLACE1011749//Myelin oligodendrocyte glycoprotein {alternative products}//7.3e-40:361:77//Hs.53217:
        R-PLACE1011762//Human kpni repeat mrna (cdna clone pcd-kpni-8), 3' end//3.0e-60:319:76//Hs.103948:K00627
45
        R-PLACE1011778//ESTs//8.0e-70:372:94//Hs.46765:AA521080
        R-PLACE1011783//Calcium modulating ligand//8.4e-41:279:85//Hs.13572:AF068179
        R-PLACE1011858//ESTs//2.6e-69:396:91//Hs.55220:D11563
        R-PLACE1011874//Human mRNA for KIAA0033 gene, partial cds//1.2e-53:439:80//Hs.22271:D26067
        R-PLACE1011875//ESTs//9.0e-88:420:98//Hs.70897:AA987648
50
        R-PLACE1011891//ESTs//3.9e-17:97:100//Hs.84698:AA725913
        R-PLACE1011896//ESTs//2.8e-23:176:84//Hs.121540;AI275497
        R-PLACE1011922//ESTs//6.6e-35:415:73//Hs.10972:AA164268
        R-PLACE1011923//Homo sapiens serum-inducible kinase mRNA, complete cds//2.3e-99:546:92//Hs.3838:
        R-PLACE1011962//ESTs//3.3e-49:294:90//Hs.106800:AI031969
55
        R-PLACE1011964//ESTs, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [H.sapiens]//2.6e-
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06:284:63//Hs.124102:AA701285

R-PLACE1011982//ESTs//2.9e-51:291:93//Hs.20792:R14890

- R-PLACE1011995//ESTs//4.5e-39:304:81//Hs.138852:AA284247
- R-PLACE1012031//Homo sapiens mRNA for KIAA0713 protein, partial cds//8.0e-106:540:95//Hs.88756: AB018256
- R-PLACE2000003//ESTs//2.0e-103:488:98//Hs.8341:AA490069
- 5 R-PLACE2000007//ESTs//2.4e-110:564:95//Hs.65135:W89120
  - R-PLACE2000011//Homo sapiens clone 614 unknown mRNA, complete sequence//4.8e-105:524:95//Hs.21811: AF091080
  - R-PLACE2000015//ESTs//7.1e-111:543:96//Hs.32178:AA083211
  - R-PLACE2000017//EST//8.2e-46:404:79//Hs.133006:AI049504
- 10 R-PLACE2000021//EST//4.5e-19:221:71//Hs.150830:Al302868
  - R-PLACE2000033//Human melanoma antigen recognized by T-cells (MART-1) mRNA//1.6e-43:355:79//Hs. 154069:U06452
  - R-PLACE2000034//ESTs//2.2e-21:314:70//Hs.107697:W29013
  - R-PLACE2000039//H.sapiens mRNA for translin associated protein X//2.9e-45:514:72//Hs.96247:X95073
- R-PLACE2000047//Homo sapiens class-I MHC-restricted T cell associated molecule (CRTAM) mRNA, complete cds//4.1e-45:358:81//Hs.159523:AF001622
  - R-PLACE2000050//ESTs//4.5e-65:322:98//Hs.155820:N67652
  - R-PLACE2000061//Homo sapiens mRNA for KIAA0575 protein, complete cds//9.2e-41:429:72//Hs.153468: AB011147
- 20 R-PLACE2000062//Human mRNA for KIAA0392 gene, partial cds//2.0e-43:296:86//Hs.40100:AB002390 R-PLACE2000072//Homo sapiens ZNF202 alpha (ZNF202) mRNA, complete cds//6.2e-111:550:95//Hs.9443: AF027219
  - R-PLACE2000097//Calcium modulating ligand//6.2e-47:372:80//Hs.13572:AF068179
  - R-PLACE2000100//ESTs//8.8e-42:281:86//Hs.150727:Al292236
- <sup>25</sup> R-PLACE2000103//ESTs//4.7e-97:518:93//Hs.118727:W26941
  - R-PLACE2000111//Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds//0.00043:127:71//Hs. 42400:AF022789
  - R-PLACE2000115//ESTs//7.8e-93:458:96//Hs.104520:AA481662
  - R-PLACE2000132//ESTs//3.8e-69:409:91//Hs.98502:AA433988
- 30 R-PLACE2000136//ESTs//6.2e-05:274:61//Hs.114067:AA701558
  - R-PLACE2000140//Homo sapiens mRNA for KIAA0562 protein, complete cds//4.7e-44:302:85//Hs.118401: AB011134
  - R-PLACE2000164//ESTs//6.3e-106:506:98//Hs.16390:AI052357
  - R-PLACE2000170//Small inducible cytokine A5 (RANTES)//3.7e-42:326:79//Hs.155464:AF088219
- 35 R-PLACE2000172//ESTs//9.6e-43:232:94//Hs.6709:Al379778
  - R-PLACE2000176//EST//1.6e-24:154:91//Hs.157734:Al360292
  - R-PLACE2000187//Human mRNA for KIAA0033 gene, partial cds//2.0e-49:292:90//Hs.22271:D26067
  - R-PLACE2000216//ESTS//0.0041:166:64//Hs.159476:Al382378
  - R-PLACE2000223//ESTs//0.49:171:60//Hs.86154:AA207191
- 40 R-PLACE2000235//ESTs//2.9e-39:264:85//Hs.136839:H93717
  - R-PLACE2000246//NAD(P)H:menadione oxidoreductase//4.0e-44:331:82//Hs.80706:M81600
  - R-PLACE2000264//Human mRNA for KIAA0365 gene, partial cds/4.0e-38:311:81//Hs.84123:AB002363
  - R-PLACE2000274//ESTs, Weakly similar to dynein-related protein [H.sapiens]//1.9e-87:422:98//Hs.9740: Al004779
- 45 R-PLACE2000302//ESTs, Highly similar to THREONYL-TRNA SYNTHETASE, CYTOPLASMIC [Homo sapiens]// 4.8e-68:380:92//Hs.107365:AA720664
  - R-PLACE2000305//ESTs//2.6e-43:413:75//Hs.I18732:AI344055
  - R-PLACE2000317//ESTs//2.8e-92:501:92//Hs.28432:R83380
  - R-PLACE2000335//ESTs//4.3e-32:300:77//Hs.163035:AA748058
- 50 R-PLACE2000342//Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds//0.00071:117:73//Hs. 42400:AF022789
  - R-PLACE2000347//ESTs//1.6e-30:214:86//Hs.135272:AI347618
  - R-PLACE2000359//Zinc finger protein 139 (clone pHZ-37)//5.5e-42:288:86//Hs.140090:U09848
  - R-PLACE2000366//Thromboxane A2 receptor//6.7e-53:392:82//Hs.89887:D38081
- 55 R-PLACE2000371//ESTs//3.6e-81:409:97//Hs.155138:AA158731
  - R-PLACE2000373//Homo sapiens mRNA for KIAA0734 protein, partial cds//0.89:186:62//Hs.101516:AB018277
  - R-PLACE2000379//ESTs//3.4e-10:228:64//Hs.57842:W63781
  - R-PLACE2000394//ESTs//6.7e-41:462:74//Hs.107657:AA126814

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R-PLACE2000398//ESTs//4.2e-33:373:74//Hs.155184:AA573189
         R-PLACE2000399
         R-PLACE2000404//ESTs, Highly similar to LEUCYL-TRNA SYNTHETASE, CYTOPLASMIC [Saccharomyces cer-
         evisiae]//4.2e-109:540:96//Hs.6762:AA088424
         R-PLACE2000411//ESTs//1.6e-89:459:95//Hs.117589:N25941
         R-PLACE2000419//ESTs, Weakly similar to F25H9.6 [C.elegans]//1.6e-97:436:95//Hs.24647:W19739
         R-PLACE2000425//Homo sapiens PEC-205 mRNA, complete cds//2.2e-44:287:88//Hs.153563:AF011333
         R-PLACE2000427//ESTs, Weakly similar to coded for by C. elegans cDNA CEESI42F [C.elegans]//3.0e-113:543:
         97//Hs.16933:AA976002
10
         R-PLACE2000433//ESTs//1.8e-46:311:85//Hs.145032:AA343523
         R-PLACE2000435//ESTs//2.9e-33:243:87//Hs.90964:AA393986
         R-PLACE2000438//ESTs//2.8e-09:66:96//Hs.59548:AI279887
         R-PLACE2000450//Human mRNA for KIAA0392 gene, partial cds//3.3e-39:394:74//Hs.40100:AB002390
         R-PLACE2000455//ESTs//1.2e-62:301:99//Hs.151708:AA554714
15
         R-PLACE2000458//ESTs//6.8e-92:473:96//Hs.115897;AA156638
         R-PLACE2000465//ESTs//1.3e-45:435:76//Hs.141635:N79228
         R-PLACE2000477//ESTs//2.6e-100:536:94//Hs.77822:AA532642
         R-PLACE3000004//ESTs//9.1e-114:558:97//Hs.13035:AA151838
         R-PLACE3000029//Homo sapiens mRNA for KIAA0575 protein, complete cds//6.3e-64;350;86//Hs.153468:
20
         AB011147
         R-PLACE3000059//EST//0.028:175:61//Hs.159873:R92763
         R-PLACE3000070//ESTs//3.8e-16:200:74//Hs.138771:N70979
         R-PLACE3000103//ISLET AMYLOID POLYPEPTIDE PRECURSOR//3.7e-48;468:75//Hs.51048:X68830
         R-PLACE3000119//ESTs//1.2e-45:330:83//Hs.35254:AI133727
25
         R-PLACE3000124//EST//3.1e-75:391:96//Hs.161515:N71739
         R-PLACE3000136//ESTs//8.3e-18:152:84//Hs.10043:D81792
         R-PLACE3000142//ESTs//0.047:183:62//Hs.43102:AA131369
         R-PLACE3000147//ESTs//6.6e-53:310:90//Hs.8230:W07142
         R-PLACE3000148//EST//1.9e-16:184:76//Hs.146570:AI139815
30
         R-PLACE3000155//ESTS//1.2e-19:192:79//Hs.131350:AA805223
         R-PLACE3000156//ESTs, Highly similar to ENV POLYPROTEIN [Avian spleen necrosis virus]//4.8e-36:262:88//
         Hs.31532:H18272
         R-PLACE3000157
         R-PLACE3000158//Small inducible cytokine A5 (RANTES)//8.2e-39:296:81//Hs.155464:AF088219
35
         R-PLACE3000160
         R-PLACE3000169//ESTs//1.5e-64:329:97//Hs.129864:R20798
         R-PLACE3000194
         R-PLACE3000197//ESTs//1.4e-3 8:197:98//Hs.146341:Al269930
         R-PLACE3000199//ESTs, Highly similar to APOLIPOPROTEIN E PRECURSOR [Sus scrofa]//0.018:261:61//Hs.
40
         131370:AA927516
         R-PLACE3000207//EST//1.3e-15:154:78//Hs.136617:AA630476
         R-PLACE3000208//ESTS//1.6e-18:151:82//Hs.155498:W27084
         R-PLACE3000218//ESTs//1.8e-85:463:93//Hs.7849:AI129964
         R-PLACE3000220//ESTs//6.4e-44:308:84//Hs.136839:H93717
45
         R-PLACE3000226//ESTs//L3e-49:269:95//Hs.9059:Al359014
         R-PLACE3000230//EST//2.3e-34:258:83//Hs.4382:T02878
         R-PLACE3000242//Human trophinin mRNA, complete cds//1.1e-63;546;78//Hs,76313;U04811
         R-PLACE3000244//ESTs, Highly similar to NEGATIVE REGULATOR OF MITOSIS [Emericella nidulans]//7.5e-
         110:549:95//Hs.13692:AA632002
50
         R-PLACE3000254//Human mRNA for KIAA0309 gene, partial cds//2.4e-29:174:94//Hs.87908:AB002307
         R-PLACE3000271//Human macrophage-derived chemokine precursor (MDC) mRNA, complete cds//2.3e-62:287:
         82//Hs.97203:U83171
         R-PLACE3000276//ESTs//7.5e-07:187:64//Hs.80720:AA031782
         R-PLACE3000304//Human 53K isoform of Type II phosphatidylinositol-4-phosphate 5-kinase (PIPK) mRNA, com-
55
         plete cds//4.0e-59:456:80//Hs.108966:U48696
        R-PLACE3000310//ISLET AMYLOID POLYPEPTIDE PRECURSOR//6.0e-45:302:86//Hs.51048:X68830
         R-PLACE3000320//InterleuIdn 10//9.6e-42:288:85//Hs.2180:M57627
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R-PLACE3000322//ESTs, Highly similar to ARGININOSUCCINATE LYASE [Homo sapiens]//5.8e-34:190:95//Hs.

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EP 1 074 617 A2
114531:N74103
R-PLACE3000331//Homo sapiens mRNA for KIAA0772 protein, complete cds//3.7e-32:239:84//Hs.15519:
R-PLACE3000339//ESTs//1.3e-109:548:96//Hs.7871:AI041837
R-PLACE3000341//EST//1.1e-11:231:68//Hs.131328:AA922688
R-PLACE3000350//Human mRNa for adipogenesis inhibitory factor//8.0e-40:291:76//Hs.1721:X58377
R-PLACE3000352//EST//1.8e-72:343:100//Hs.144871;Al202380
R-PLACE3000353//ESTs//2.0e-75:395:95//Hs.107260;W52683
R-PLACE3000362//EST//2.8e-80:381:99//Hs.136233:AA261888
R-PLACE3000363
R-PLACE3000365//EST//4.8e-50:307:88//Hs.149580:AI281881
R-PLACE3000373//ESTs//5.8e-60:422:83//Hs.142826:W87430
R-PLACE3000388//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//1.0e-
35:427:73//Hs.138795:R98534
R-PLACE3000399//ESTs//6.5e-05:162:66//Hs.149440:AI274570
R-PLACE3000400//ESTs//8.3e-05:310:63//Hs.17697:AA287528
R-PLACE3000401//ESTs//4.6e-60:326:80//Hs.139555:N48230
R-PLACE3000402//Homo sapiens clone 24629 mRNA sequence//0.50:227:62//Hs.142570:AF052I60
R-PLACE3000405//Human HsLIM15 mRNA for HsLim15, complete cds//5.3e-43:315;82//Hs.37181:D64108
R-PLACE3000406//Human high-affinity copper uptake protein (hCTR1) mRNA, complete cds//4.4e-47:302:87//
Hs.73614:U83460
R-PLACE3000413//ESTs//1.6e-116:571:97//Hs.10235:H93077
R-PLACE3000416//Small inducible cytokine A5 (RANTES)//1.8e-41:300:85//Hs.155464:AF088219
R-PLACE3000425//Homo sapiens 4F5S mRNA, complete cds//1.6e-46:307:85//Hs.32567:AF073519
R-PLACE3000455//ESTs//1.0:160:64//Hs.156045:AA884461
R-PLACE3000475//Human signal transducing adaptor molecule STAM mRNA, complete cds//6.1e-84:440:92//Hs.
153487·U43899
R-PLACE3000477//ESTs//2.4e-113:568:96//Hs.24557:AA142980
R-PLACE4000009//ESTs//1.5e-72:361:96//Hs.10119:AA700227
R-PLACE4000014//Homo sapiens mRNA for KIAA0809 protein, partial cds//8.8e-85:433:95//Hs.105399:
AB018352
R-PLACE4000034//ESTs//7.0e-110:550:96//Hs.76607:AA156240
R-PLACE4000049//EST//0.028:87:75//Hs.89303:AA284031
R-PLACE4000052//ESTs//5.6e-116:553:98//Hs.19067;AA521292
R-PLACE4000063//ESTs//5.0e-80:388:98//Hs.135028:AI096444
R-PLACE4000089//ESTs//2.3e-97:479:97//Hs.102425:AA807547
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35 R-PLACE4000093//ESTs//1.5e-82:391:99//Hs.160730:AI142739

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R-PLACE4000100

R-PLACE4000106//Homo sapiens mRNA for KIAA0462 protein, partial cds//2.7e-98:419:91//Hs.129937: AB007931

R-PLACE4000128//ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//3.8e-11:184:71//Hs.154278:N45985

R-PLACE4000129//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0500//5.2e-21:118:100//Hs. 118164:AB007969

45 R-PLACE4000147//EST//1.6e-23:175:79//Hs.162236:AA551582

R-PLACE4000156//Homo sapiens mRNA for KIAA0575 protein, complete cds//3.0e-47:306:88//Hs.153468:

R-PLACE4000192//ESTs, Weakly similar to similar to Human zinc finger protein(ZNF142) [H.sapiens]//6.7e-31: 232:82//Hs.16493:T92186

50 R-PLACE4000222//ESTs//2.2e-53:195:85//Hs.141575:AA211734

R-PLACE4000233//ESTs//2.9e-81:456:93//Hs.124964:R81949

R-PLACE4000247//Homo sapiens PYRIN (MEFV) mRNA, complete cds//5.5e-72:307:85//Hs.113283:AF018080

R-PLACE4000250//Small inducible cytokine A5 (RANTES)//7.1e-43:301:83//Hs.155464:AF088219

R-PLACE4000252//EST//1.6e-40:275:85//Hs.162197:AA535216

55 R-PLACE4000261//EST//0.0063:384:58//Hs.136284:AA400442

R-PLACE4000269//ESTs//7.3e-67:345:97//Hs.5000:R44586

R-PLACE4000270//Homo sapiens apoptotic protease activating factor 1 (Apaf-1) mRNA, complete cds//2.1e-37: 352:77//Hs.77579:AF013263

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R-PLACE4000300//EST//0.26:103:68//Hs.144438:AA780782
         R-PLACE4000320//EST//2.7e-44:298:85//Hs.162404:AA573131
         R-PLACE4000323//ESTs//8.8e-38:178:79//Hs.155475;AA761454
         R-PLACE4000326//ESTs//7.4e-103:516:96//Hs.55042:AA150460
         R-PLACE4000344//ESTs//9.9e-94:463:96//Hs.100057:AA001414
5
         R-PLACE4000367//ESTs//0.81:102:73//Hs.107692:H38478
         R-PLACE4000369//ESTs//1.5e-69:390:92//Hs.13733:AA418656
         R-PLACE4000379//ESTs//1.3e-67:373:91//Hs.48569:AA905425
         R-PLACE4000387//EST, Moderately similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]//1.9e-
10
         44:379:78//Hs.152369:AA504818
         R-PLACE4000392//ESTs, Weakly similar to line-1 protein ORF1 [H.sapiens]//2.3e-70:482:83//Hs.140416:
         AA778649
         R-PLACE4000401//ESTs//1.3e-18:151:84//Hs.150355:AI273502
         R-PLACE4000411//ESTs//1.1e-108:543:96//Hs.23901:AA169780
15
         R-PLACE4000445//ESTs, Weakly similar to C05D9.6 gene product [C.elegans]//2.6e-111:530:98//Hs.12003:
         AA643063
         R-PLACE4000465//Cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 2//8.5e-58:409:
         72//Hs.1361:M55053
         R-PLACE4000489//ESTs//5.0e-70:342:98//Hs.72865:Al380932
20
         R-PLACE4000494//EST&//1.4e-109:525:98//Hs.22539:Al334210
         R-PLACE4000522//ESTs//6.3e-88:471:93//Hs.8121:AA521290
         R-PLACE4000548//ESTs//3.3e-86:441:96//Hs.5070:AA149527
         R-PLACE4000558//Human putative monocarboxylate transporter (MCT) mRNA, complete cds//5.7e-46:425:76//
         Hs.23590:U59185
25
         R-THYRO1000026//ESTs//2.6e-42:331:82//Hs.137875:AA993532
         R-THYRO1000034//ESTs//2.1e-43:214:100//Hs.153018:AI243524
         R-THYRO1000035//ESTs//7.6e-52:325:90//Hs.49817:AA001249
         R-THYRO1000040//ESTs//1.7e-94:459:98//Hs.48712:AI027889
         R-THYRO1000070//ESTs//6.7e-43:283:86//Hs.37573:H59651
         R-THYRO1000072//ESTs//1.3e-57:313:96//Hs.127827:H13438
30
         R-THYRO1000085//ESTs//1.1e-90:439:98//Hs.150539:AA908435
         R-THYRO1000092//Human mRNA for KIAA0355 gene, complete cds//1.3e-41:344:79//Hs.153014:AB002353
         R-THYRO1000107//Interieuldn 10//2.8e-43:292:84//Hs.2180:M57627
         R-THYRO10001111//ESTs, Highly similar to LINE-1 REVERSE TRANSCRIPTASE HOMOLOG [Homo sapiens]//
35
         1.0e-52:413:80//Hs.140385:AA773359
        R-THYRO1000121//EST//0.24:78:74//Hs.156632:AI345108
        R-THYRO1000124//ESTs//2.8e-86:428:96//Hs.141634:AI122764
        R-THYRO1000129//Homo sapiens TED protein (TED) mRNA, complete cds//6.8e-90:449:96//Hs.87619:
         AF087142
        R-THYRO1000132//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//5.2e-
40
         49:486:77//Hs.24164:N95217
        R-THYRO1000156//ESTs//6.1e-36:344:75//Hs.70279:AA757426
        R-THYRO1000163//Homo sapiens LIM protein mRNA, complete cds//4.8e-38:278:84//Hs.154103:AF061258
        R-THYRO1000173//ESTs, Highly similar to CLATHRIN COAT ASSEMBLY PROTEIN AP47 [Mus musculus]//1.1e-
         111:554:96//Hs.18894:AA910946
45
        R-THYRO1000186//ESTs//1.0e-44:339:83//Hs.155184:AA573189
        R-THYRO1000187//Small inducible cytokine A5 (RANTES)//1.1e-41:305:81//Hs.155464:AF088219
        R-THYRO1000190//Small inducible cytokine A5 (RANTES)//2.3e-44:301:85//Hs.155464:AF088219
        R-THYRO1000197//Homo sapiens mRNA for poly(A)-specific ribonuclease//3.6e-110:535:97//Hs.43445:
50
        AJ005698
        R-THYRO1000199//Homo sapiens mRNA for KIAA0652 protein, complete cds//4.3e-115:559:97//Hs.79672:
        AB014552
        R-THYRO1000206//ESTs//3.1e-90:507:90//Hs.32456:W29063
        R-THYRO1000221//ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING
        ENTRY !!!! [H.sapiens]//1.1e-72:357:98//Hs.140002:AA635349
55
        R-THYRO1000241//Homo sapiens mRNA for KIAA0688 protein, complete cds//7.8e-69:524:82//Hs.141874:
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R-THYRO1000242//ESTs//4.2e-27:222:85//Hs.77554:W87927

AB014588

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R-THYRO1000253//Sialophorin (qpL115, leukosialin, CD43)//7.3e-40:318:80//Hs.80738:X52075
         R-THYRO1000270//ESTs//1.9e-99:531:94//Hs.17767:N62925
         R-THYRO1000279//EST//2.7e-54:266:99//Hs.149527:AI280674
         R-THYRO1000288//Homo sapiens mRNA for Hs Ste24p, complete cds//3.5e-100:566:91//Hs.25846:AB016068
 5
         R-THYRO1000320//POLYPOSIS LOCUS PROTEIN 1//1.0:321:58//Hs.74648:M73547
         R-THYRO1000327//Autocrine motility factor receptor//9.2e-54:289:93//Hs.80731:M63175
         R-THYRO1000343//Homo sapiens mRNA for KIAA0790 protein, partial cds//3.4e-113:559:96//Hs.12002:
         AB018333
         R-THYRO1000358//Human selenium-binding protein (hSBP) mRNA, complete cds//1.5e-48:317:87//Hs.7833:
10
         U29091
         R-THYRO1000368//ESTs//4.7e-88:430:98//Hs.146085:AA021064
         R-nnnnnnnnn//ESTs//1.0:253:57//Hs.128783:AA436250
         R-THYRO1000387//Homo sapiens ubiquitin conjugating enzyme G2 (UBE2G2) mRNA, complete cds//4.6e-69:
         294:84//Hs.151614:AF032456
15
         R-THYRO1000394//Thromboxane A2 receptor//4.1e-40:232:87//Hs.89887:D38081
         R-THYRO1000395//ESTs//3.3e-20:160:83//Hs.101570:AA505429
         R-THYRO1000401//ESTs//1.3e-109:516:99//Hs.78524:AI140601
         R-THYRO1000438//ESTs//2.1e-48:360:83//Hs.141203:H52638
         R-THYRO1000452//ESTs, Weakly similar to No definition line found [C.elegans]//8.5e-40:239:90//Hs.84009:
20
         AI309761
         R-THYRO1000471//ESTs//3.3e-36:302:80//Hs.70279:AA757426
         R-THYRO1000484//Homo sapiens mRNA for KIAA0737 protein, complete cds//2.2e-49:479:75//Hs.17630:
         AB018280
         R-THYRO1000488//Homa sapiens mRNA for HRIHFB2038, partial cds//4.1e-89:471:94//Hs.28719:AB015333
25
         R-THYRO1000501//ESTs//L5e-46:287:89//Hs.125300:R62360
         R-THYRO1000502//ESTs//1.7e-08:63:96//Hs.116319:AI208005
         R-THYRO1000505//ESTs, Weakly similar to KIAA0281 [H. sapiens]//3.9e-57:286:96//Hs.105861:Al206965
         R-THYRO1000558//ESTs//1.7e-95:454:99//Hs.125063:AA648511
         R-THYRO1000569//ESTs//3.2e-89:463:94//Hs.20555:W22193
         R-THYRO1000570//ESTs//2.8e-97:471:97//Hs.8245:AA115485
30
        R-nnnnnnnnn//Homo sapiens protein associated with Myc mRNA, complete cds//2.6e-108:533:97//Hs.151411:
        AF075587
        R-THYRO1000596//ESTs//3.1e-99:527:94//Hs.6084:AA045247
        R-THYRO1000602//EST//6.9e-50:381:83//Hs.161917:AA483223
35
        R-THYRO1000605//ESTs, Weakly similar to monocytic leukaemia zinc finger protein [H.sapiens]//1.2e-96:483:96//
        Hs.21907:N24415
        R-THYRO1000625//ESTs//5.6e-36:257:84//Hs.139657:AA191742
        R-THYRO1000637
        R-THYRO1000641//ESTs, Weakly similar to ERYTHROCYTE BAND 7 INTEGRAL MEMBRANE PROTEIN [H.
40
        sapiens]//4.9e-46:245:95//Hs.97398:AA398634
        R-THYRO1000658//ESTs//5.8e-48:281:90//Hs.142259:AA828840
        R-nnnnnnnnn//ESTs//1.5e-82:389:99//Hs.155573:AA487384
        R-THYRO1000666//ESTs//1.4e-26:179:88//Hs:98382:AA779866
        R-THYRO1000676//EST//6.4e-05:88:77//Hs.133424:AI061063
45
        R-THYRO1000684//ESTs//1.9e-69:374:94//Hs.144617:R77109
        R-THYRO1000699//ESTs//1.7e-58:394:86//Hs.26373:AA700713
        R-THYRO1000712
        R-THYRO1000734//EST//2.0e-06:95:73//Hs.156201:AA724287
        R-THYRO1000748//EST//4.1e-12:155:74//Hs.118694:AA148713
50
        R-THYRO1000756//ESTs, Weakly similar to CMP-N-ACETYLNEURAMINATE-BETA-GALACTOSAMIDE-AL-
        PHA-2,3-SIALYLTRANSFERASE [H.sapiens]//8.1e-82:497:87//Hs.109672:W22624
        R-THYRO1000777
        R-THYRO1000783//EST//5.6e-100:470:99//Hs.123515:AA812932
        R-THYRO1000787//EST//8.0e-34:175:99//Hs.99607:AA463897
55
        R-THYRO1000793//ESTs//2.2e-106:505:99//Hs.50929:AA443144
        R-THYRO1000796//ESTs//4.3e-44:445:75//Hs.55855:AA621381
        R-THYRO1000805//EST//2.6e-32:407:67//Hs.123424:AA813594
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R-THYRO1000815//Human mRNA for KIAA0033 gene, partial cds//2.0e-56:307:87//Hs.22271:D26067

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EP 1 074 617 A2
R-THYRO1000829
R-THYRO1000843//Interleukin 10//1.1e-44:285:87//Hs.2180:M57627
R-THYRO1000852//EST//2.3e-20:157:85//Hs.149580:Al281881
R-THYRO1000855//ESTs//2.6e-44:359:81//Hs.140329:AA714011
R-THYRO1000865//Protein kinase, interferon-inducible double stranded RNA dependent//2.8e-44:374:79//Hs.
73821·M35663
R-THYRO1000895//ESTs//1.0e-32:196:85//Hs.138630:H97871
R-THYRO1000916//ESTs//4.6e-99:492:96//Hs.152442:AA528234
R-THYRO1000926//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds//3.1e-110:
566:94//Hs.78106:AF079529
R-THYRO1000934//ESTs//7.4e-102:535:95//Hs.58194:W72182
R-THYRO1000951//ESTs//4.2e-11:91:89//Hs.6278:T15859
R-THYRO1000952//ESTs//3.9e-93:489:94//Hs.48928:AA211761
R-THYRO1000974//Homo sapiens ribosomal protein L33-like protein mRNA, complete cds//1,1e-60:321:95//Hs.
14454:AF047440
R-THYRO1000975//EST//9.8e-49:303:89//Hs.149580:AI281881
R-THYRO1000983//ESTs, Highly similar to UBIQUITIN-CONJUGATING ENZYME E2-17 KD 11 [Arabidopsis thal-
iana]//1.6e-90:474:93//Hs.106616:AI027524
R-THYRO1000984//ESTs//5.9e-97:481:96//Hs.142457:AI202777
R-THYRO1000988//EST//3.5e-42:241:83//Hs.162404:AA573131
R-THYRO1001003//ESTs, Weakly similar to ubiquitin-conjugating enzyme [H.sapiens]//3.0e-57:341:91//Hs.
44049:AA521489
R-THYRO1001031//ESTs//5.5e-47:322:85//Hs.136839:H93717
R-THYRO1001033//ESTs//5.7e-89:427:98//Hs.71508:AA809070
R-THYRO1001062//EST//1.5e-46:291:89//Hs.161917:AA483223
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R-THYRO1001093//ESTs//2.7e-80:468:90//Hs.124601:AA203497

R-THYRO1001100

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R-THYRO1001120//ESTs, Moderately similar to fractionated X-irradiation-induced 29 thymoma [M.musculus]// 6.6e-86:491:89//Hs.89135:Al138834

30 R-THYRO1001121//Homo sapiens mRNA for beta-tubulin folding cofactor D//2.6e-82:429:94//Hs.12570: A.I006417

R-THYRO1001133//ESTs//2.9e-39:242:90//Hs.152340:AA521399

R-THYRO1001134//ESTs//1.8e-102:521:95//Hs.108408:N31922

R-THYRO1001142//ESTs//0.26:84:69//Hs.153434:AI287853

35 R-THYRO1001173//Human mRNA for KIAA0238 gene, partial cds//0.0012:305:62//Hs.82042:D87075 R-THYRO1001177

R-THYRO1001189//H.sapiens F11 mRNA//1.5e-59:260:83//Hs.159639:X77744

R-THYRO1001204//ESTs, Weakly similar to TH1 protein [D.melanogaster]//1.0e-75:431:91//Hs.5184:AA709151 R-THYRO1001213//ESTs//1.3e-75:409:92//Hs.140213:AA828932

40 R-THYRO1001262//Human kpni repeat mrna (cdna clone pcd-kpni-4), 3' end//1.3e-48:349:83//Hs.139107:K00629 R-THYRO1001271//PUTATIVE PROTEIN PHOSPHATASE 2C//1.0:128:64//Hs.118728:D13640

R-THYRO1001290//ESTs//2.1e-89;424:99//Hs.118152;AA702561

R-THYRO1001313//ESTs//3.5e-17:139:87//Hs.15827:H16269

R-THYRO1001320//ESTs//1.4e-61:403:79//Hs.139555:N48230

45 R-THYRO1001321//Hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)//8.5e-05:326:60//Hs. 82314:M31642

R-nnnnnnnnnnn//ESTs//0.16:422:5.9//Hs.23876:AA082935

R-THYRO1001347//ESTs, Weakly similar to C35A5.8 [C.elegans]//1.1e-106:562:94//Hs.15032:AA774250

R-THYRO1001363//ESTs//1.4e-99:508:95//Hs.5028:D51033

50 R-THYRO1001365

R-THYRO1001374

R-THYRO001401//Human HsLIM15 mRNA for HsLiml5, complete cds//2.5e-48:467:75//Hs.37181:D64108

R-THYRO1001403//Interleukin 10//2.1e-46:305:85//Hs.2180:M57627

R-THYRO1001405//ESTs//4.8e-25:197:84//Hs.6907:W72733

55 R-THYRO1001406//EST//0.0023:117:66//Hs.162931:AA633197

R-THYRO1001411//ESTs//6.1e-77:421:93//Hs.22973:R40979

R-THYRO1001426//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0508//9.1e-49:305:86//Hs. 159187:AB007977

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R-THYRO1001434//ESTs//0.40:161:61//Hs.161993:AA503172
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R-THYRO1001458//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//1.7e-05:159:66//Hs.104239:AA488082

R-THYRO1001480//Small inducible cytokineA5 (RANTES)//1.3e-40:331:79//Hs.155464:AF088219

5 R-THYRO1001487//Homo sapiens mRNA for KIAA0563 protein, complete cds//2.1e-17:134:76//Hs.15731: AB011135

R-THYRO1001534//ESTs//4.6e-96:447:100//Hs.135204:AI093110

R-THYRO1001537//ESTS, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]//5.0e-33: 304:80//Hs.108740:W20094

10 R-THYRO1001541//Human peptide transporter (HPEPT1) mRNA, complete cds//9.0e-49:427:76//Hs.2217: U21936

R-THYRO1001559//ESTs//0.99:210:62//Hs.33619:AA021594

R-THYRO1001570//ESTs//4.9e-48:287:91//Hs.27131:AA442413

R-THYRO1001573//ESTs//2.1e-87:446:95//Hs.143669:AA621958

<sup>15</sup> R-THYRO1001584//ESTs//1.5e-64:354:95//Hs.146222:AA397741

R-THYRO1001595//ESTs//5.7e-39:366:78//Hs.22562:R54247

R-THYRO1001602//Insulin-like growth factor 1 (somatomedia C)//7.4e-12:288:67//Hs.85112:X57025

R-THYRO1001605//Human GS2 mRNA, complete cds//6.9e-49:359:83//Hs.264:U03886

R-THYRO1001617//Homo sapiens peroxisomal acyl-CoA:dihydroxyacetonephosphate acyltransferase (DHAPAT)

<sup>20</sup> mRNA, complete cds//1.3e-82:434:93//Hs.12482:AJ002190

R-THYRO1001637//Homo sapiens KIAA0414 mRNA, partial cds//7.1e-58:331:83//Hs.127649:AB007874

R-THYRO1001656//ESTs//3.8e-19:209:75//Hs.92186:Al080282

R-THYRO100166I//ESTs//1.4e-56:323:91//Hs.24984:AA534446

R-THYRO1001671//Homo sapiens mRNA for 2'-5' oligoadenylate synthetase 59 kDa isoform//-1.6e-111:562:95//

25 Hs.118633:AJ225089

R-THYRO1001673//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488//1.0e-17:246:73//Hs. 67619:AB007957

R-THYRO1001703//ESTs//1.1e-39:142:97//Hs.110748:AI341726

R-THYRO1001706//ESTs//2.2e-42:214:99//Hs.112536:AI147691

30 R-THYRO1001721

R-nnnnnnnnnn//ESTs, Weakly similar to ZK1128.6 [C.elegans]//1.7e-10:147:77//Hs.158196:R53184 R-THYRO1001745//ELK1, member of ETS oncogene family//1.8e-12:282:65//Hs.116549:AL009172 R-THYRO1001746//EST//0.0073:226:61//Hs.146544:AI125323

R-THYRO1001772//ESTs//8.2e-100:495:97//Hs.144993:AA243474

<sup>35</sup> R-THYRO1001793//ESTs//2.5e-89:430:97//Hs.58127:AA534224

R-THYRO1001809//ESTs//1.0e-41:327:80//Hs.146811:AA410788

R-THYRO1001854//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487//5.7e-38:242:83//Hs. 92381:AB007956

R-THYRO1001895//ESTs//1.7e-08:213:64//Hs.156056:Al352123

40 R-THYRO1001907//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//3.7e-41:362:79//Hs.139007;H74314

R-VESEN1000122

55

R-Y79AA1000013//ESTs//0.99:233:57//Hs.132216:AA923289

R-Y79AA1000033//EST//1.9e-62:324:95//Hs.157692:Al359321

<sup>45</sup> R-Y79AA1000037//ESTs//6.1e-47:234:98//Hs.30773:AA557178

R-Y79AA1000059//Homo sapiens mRNA for KIAA0640 protein, partial cds//2.8e-51:330:89//Hs.153026: AB014540

R-Y79AA1000065//ESTs//2.0e-91:497:94//Hs.37759:H59629

R-Y79AA1000131//EST//2.3e-16:184:75//Hs.141501:N50792

50 R-Y79AA1000181//ESTs, Weakly similar to No definition line found [C.elegans]//2.4e-110:553:95//Hs.23159: AA113849

R-Y79AA1000202//Human mRNA for KIAA0169 gene, partial cds//0.094:185:62//Hs.79414:D79991

R-Y79AA1000214//ESTs//1.7e-93:495:94//Hs.11673:W68103

R-Y79AA1000230//ESTs//3.5e-114:553:98//Hs.47125:AI421812

R-Y79AA1000231//ESTs//1.1e-106:526:97//Hs.82856:AI246624

R-Y79AA1000258//ESTs//1.5e-99:490:97//Hs.6459:Al092936

R-Y79AA1000268//Human mRNA for KIAA0365 gene, partial cds//1.3e-44:320:84//Hs.84123:AB002363

R-Y79AA1000313//ESTs//1.7e-105:558:93//Hs.18851:AA857826

|      | R-Y79AA1000328//ESTs//1.9e-76:448:91//Hs.16470:AA121635  |
|------|--|
|      | R-Y79AA1000342//ESTs, Weakly similar to MATRIN 3 [H.sapiens]//2.0e-37:239:88//Hs.23476:AA401210                            |
|      | R-Y79AA1000346//ESTs//7.9e-12:139:76//Hs.115987:AA483808   |
|      | R-Y79AA1000349//ESTs, Moderately similar to spermatid perinuclear RNA-binding protein Spnr [M.musculus]/                   |
| 5    | 4.4e-66:339:97//Hs.8215:AA521150   |
|      | R-Y79AA1000355//ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]//3.2e                     |
|      | 44:279:88//Hs.139007:H74314  |
|      | R-Y79AA1000368//ESTs//3.8e-97:513:94//Hs.68090:AA641018  |
|      | R-Y79AA1000405//ESTs//4.4e-47:267:94//Hs.125304:R51613   |
| 10   | R-Y79AA1000410//ESTs//7.4e-49:359:82//Hs.158107:AA707758   |
|      | R-Y79AA1000420//EST//0.17:99:69//Hs.160859:Al352292  |
|      | R-Y79AA1000469//ESTs, Highly similar to ancient ubiquitous 46 kDa protein AUP46 precursor [M.musculus]//3.1e               |
|      | 60:362:88//Hs.6381:Al188509  |
|      | R-Y79AA1000480//ESTs//1.0e-75:433:91//Hs.78110:AA741320  |
| 15   | R-Y79AA1000538//EST//7.9e-48:307:87//Hs.149580:Al281881  |
|      | R-Y79AA1000539//Human kinesin-like spindle protein HKSP (HKSP) mRNA, complete cds//0.95:172:62//Hs                         |
|      | 41723:U37426   |
|      | R-Y79AA1000540//ESTs//1.5e-97:534:93//Hs.67991:AA147848  |
|      | R-Y79AA1000560//ESTs, Highly similar to ALPHA-ADAPTIN [Rattus norvegicus]//8.2e-97:482:97//Hs.19121                        |
| 20   | AI125280   |
|      | R-Y79AA1000574//ESTs, Weakly similar to M04B2.4 [C.elegans]//1.3e-107:564:93//Hs.16361:AI147455                            |
|      | R-Y79AA1000627//Homo sapiens zinc finger protein (ZF5128) mRNA, complete cds//3.4e-99:517:94//Hs.60580                     |
|      | AF060503   |
| 25   | R-Y79AA1000705//ESTs, Weakly similar to HYPOTHETICAL 128.5 KD HELICASE IN ATS1-TPD3 INTERGENIC                             |
| 25   | REGION [Saccharomyces cerevisiae]//8.1e-27:140:100//Hs.129049:H28818   |
|      | R-Y79AA1000734//Homo sapiens peroxisomal biogenesis factor (PEX11b) mRNA, complete cds//8.7e-114:586 95//Hs.83023:AF093670 |
|      | R-Y79AA1000748//ESTs, Weakly similar to HYPOTHETICAL 61.3 KD PROTEIN F25B5.5 IN CHROMOSOME II                              |
|      | [C.elegans]//9.8e-111:563:95//Hs.19845:AI005330  |
| . 30 | R-Y79AA1000752//Homo sapiens (huc) mRNA, complete cds//0.97:235:59//Hs.1701:L26405   |
|      | R-Y79AA1000774//ESTs//5.9e-109:559:95//Hs.17138:N91463   |
|      | R-Y79AA1000782//Human mRNA for KIAA0246 gene, partial cds//1.6e-18:107:100//Hs.84753:D87433                                |
|      | R-Y79AA1000784//EST//0.80:87:67//Hs.158558:AI368359  |
|      | R-Y79AA1000794//ESTs//2.7e-99:498:96//Hs.25441:AA580512  |
| 35   | R-Y79AA1000800//ESTs//1.2e-97:532:93//Hs.77822:AA532642  |
|      | R-nnnnnnnnnn//Carboxypeptidase E//0.018:354:59//Hs.75360:X51405  |
|      | R-Y79AA1000805   |
|      | R-Y79AA1000824//ESTs//0.99:276:61//Hs.153992:AA280227  |
|      | R-Y79AA1000827//ESTs//1.2e-55:326:92//Hs.158127:Al334650   |
| 40   | R-Y79AA1000850//Homo sapiens small optic lobes homolog (SOLH) mRNA, complete cds//0.016:386:59//Hs                         |
|      | 55836:U85647   |
|      | R-Y79AA1000962//EST//0.024:177:63//Hs.25214:R37079   |
|      | R-Y79AA1000968   |
|      | R-Y79AA1000969//ESTs//2.9e-70:251:98//Hs.120858:AA417181   |
| 45   | R-Y79AA1000976//ESTs//7.8e-56:299:95//Hs.120125:M86049   |
|      | R-Y79AA1000985   |
|      | R-Y79AA1001023//ESTs//5.7e-66:379:90//Hs.64616:W22851  |
|      | R-Y79AA1001041//ESTs//8.6e-06:54:100//Hs.8980:AA629067   |
| 50   | R-Y79AA1001048//ESTs//4.4e-97:461:99//Hs.7010:AA837407<br>R-Y79AA1001061//ESTs//3.8e-105:493:99//Hs.128419:AI271325        |
| 50   |  |
|      | R-Y79AA1001068//Homo sapiens mRNA for KIAA0563 protein, complete cds//4.8e-53:279:83//Hs.15731 AB011135                    |
|      | R-Y79AA1001077//ESTs//1.9e-51:339:87//Hs.11197:AA309047  |
|      | R-Y79AA1001077//ES1s//1.9e-51:339:87//Hs.11197:AA309047<br>R-Y79AA1001078//ESTs//8.3e-98:528:92//Hs.24608:AA161260         |
| 55   | R-Y79AA1001105//ESTs//6.0e-77:393:96//Hs.30837:H08155  |
| -    | R-Y79AA1001145//ESTs//1.7e-13:285:64//Hs.128259;AA343015   |
|      | R-Y79AA1001167   |
|      |  |

R-Y79AA1001177//EST//1.2e-05:92:76//Hs.65277:T15884

|     | R-Y79AA1001185   |
|-----|--|
|     | R-Y79AA1001211//ESTs//1.3e-70:344:97//Hs.49760:AA741051  |
|     | R-Y79AA1001216//ESTs//5.8e-63:416:88//Hs.8595:W60933   |
|     | R-Y79AA1001228//ESTs//9.3e-101:483:98//Hs.13916:Al025750   |
| 5   | R-Y79AA1001233//EST//0.00027:232:62//Hs.132431:AA909674  |
|     | R-Y79AA1001236//Homo sapiens mRNA for JM23 protein, complete coding sequence (clone IMAGE 34581 and  |
|     | IMAGE 45355 and LLNLc110I133Q7 (RZPD Berlin))//1.1e-110:549:95//Hs.23170:AJ005892  |
|     | R-Y79AA1001281//ESTs//3.6e-98:466:99//Hs.104442:AA481271   |
|     | R-Y79AA1001299//Human Ini1 mRNA, complete cds//9.6e-25:133:100//Hs.155626:U04847   |
| 10  | R-Y79AA1001312//ESTs//3.4e-92:454:97//Hs.127319:Al191149   |
|     | R-Y79AA1001323//ESTs//1.6e-67:422:89//Hs.118559:AA887084   |
|     | R-Y79AA1001384//ESTs//3.1e-104:496:98//Hs.153692:AA604143  |
|     | R-Y79AA1001391//ESTs//2.2e-77:418:94//Hs.118608:AA101819   |
|     | R-Y79AA1001394//ESTs//2.1e-78:409:95//Hs.23413:AA579859  |
| 15  | R-Y79AA1001402//EST//9.3e-08:128:75//Hs.141607:N63891  |
|     | R-Y79AA1001493//ESTs, Highly similar to UBIQUITIN-CONJUGATING ENZYME E2-17 KD 11 [Arabidopsis thal-  |
|     | iana]//4.4e-109:553:95//Hs.106616:AI027524   |
|     | R-Y79AA1001511//ESTs//4.9e-49:271:92//Hs.109045:AA523704   |
|     | R-Y79AA1001533//ESTs, Moderately similar to RNA polymerase I associated factor [M.musculus]//6.2e-46:260:  |
| 20  | 94//Hs.24884:AA176812  |
|     | R-nnnnnnnnnn//EST//0.62:126:67//Hs.137020:AA868563   |
|     | R-Y79AA1001548//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA//3.5e-95:517:91//Hs.76987:AF012872   |
|     | R-Y79AA1001555//Collagen, type XI, alpha 1//1.0:157:64//Hs.82772:J04177  |
|     | R-Y79AA1001585//ESTs//1.9e-90:430:98//Hs.48333:AA704508  |
| 25  | R-Y79AA1001594//ESTs//9.6e-23:122:100//Hs.63795:AI126237   |
|     | R-Y79AA1001603//ESTs//1.0e-50:193:100//Hs.25635:Al336204   |
|     | R-Y79AA1001613//ESTs, Weakly similar to zinc finger protein [H.sapiens]//7.2e-81:400:97//Hs.13323:AA897542   |
|     | R-Y79AA1001647//ESTs//6.8e-92:479:95//Hs.154270:N26486   |
|     | R-Y79AA1001665//ESTs, Weakly similar to 50S RIBOSOMAL PROTEIN L20 [E.coli]//2.5e-19:112:97//Hs.26252:  |
| 30  | AA643235   |
|     | R-Y79AA1001679//ESTs, Highly similar to LAMBDA-CRYSTALLIN [Oryctolagus cuniculus]//9.7e-99:553:92//Hs.   |
|     | 108896:R54040  |
|     | R-nnnnnnnnn  |
|     | R-Y79AA1001696//ESTs//1.4e-84:478:91//Hs.6606:AA211783   |
| 35  | R-Y79AA1001705//ESTs//6.7e-107:546:95//Hs.106805:AA418490  |
|     | R-Y79AA1001711//Human DNA sequence from clone 1119D9 on chromosome 20p12. Contains part of a gene for  |
|     | a PAK1 LIKE Serine/Threonine-Protein Kinase and part of the PLCB4 gene for Phopholipase C, beta (1-Phos-   |
|     | phatidylinositol -4,5-Bisphosphate Phosphodiesterase Beta 4). Contains ESTs, STSs and GSSs//0.0085:251:63//  |
| 40  | Hs.21864:AL031652  |
| 40  | R-Y79AA1001781//ESTs, Weakly similar to partial CDS [C.elegans]//9.4e-87:427:97//Hs.18645:Al023798   |
|     | R-nnnnnnnnn//ESTs//1.1e-112:558:97//Hs.109755:AA180809   |
|     | R-Y79AA1001827//ESTs, Weakly similar to Similar to S.cerevisiae YD9335.03c protein [H.sapiens]//8.1e-95:530: 91//Hs.72444:W23217   |
|     |  |
| 45  | R-Y79AA1001846//EST//2.8e-41:312:81//Hs.162236:AA551582  |
| 7.5 | R-Y79AA1001848//Human adhalin (DAG2) mRNA, complete cds//0.54:221:58//Hs.99931:L34355<br>R-Y79AA1001866//ESTs//2.2e-102:498:97//Hs.130683:AI278630   |
|     | R-Y79AA1001800/IES1s//2.2e-102.496.97//Hs.130683.AI276630<br>R-Y79AA1001874//ESTs//1.9e-76:377:98//Hs.79707:AA354094   |
|     | R-Y79AA1001875//ESTs//0.64:152:63//Hs.156159:Al333652  |
|     | R-Y79AA1001923//EST//0.19:180:58//Hs.148290:AA908404   |
| 50  | R-Y79AA1001923/I/ESTs//1.6e-104:497:98//Hs.21275:N73275  |
|     | · · · · · · · · · · · · · · · · · · ·  |
|     | R-Y79AA1002083//Homo sapiens mRNA for KIAA0563 protein, complete cds//0.69:93:73//Hs.15731:AB011135 R-Y79AA1002089//Homo sapiens PYRJN (MEFV) mRNA, complete cds//1.1e-46:392:80//Hs.113283:AF018080 |
|     | R-Y79AA1002003//Homo sapiens GT198 mRNA, complete ORF//1.2e-12:80:100//Hs.78185:L38933   |
|     | R-Y79AA1002093/Hollid Sapietis G1 196 mRNA, complete ORF//1.2e-12:80:100//Hs.78185:L38933<br>R-Y79AA1002103//ESTs//1.3e-52:535:76//Hs.142167:Al417785  |
| 55  | R-Y79AA1002105/IESTs//4.2e-101:519:96//Hs.23977:AA115275   |
|     | R-Y79AA1002115//ESTs//4.2e-101.519.90//Hs.25977.AA115275   |
|     |  |

R-Y79AA1002139//ESTs//1.2e-100:498:96//Hs.72020:AA149858 R-Y79AA1002204//ESTs//2.1e-83:434:95//Hs.22979:R43725

R-nnnnnnnnnn//ESTs//1.7e-55:478:76//Hs.154554:AA552715

R-Y79AA1002209//ESTs, Weakly similar to similar to tyrosyl-tRNA synthetase. [C.elegans]//3.5e-108:553:95//Hs. 50441:AA747428

R-Y79AA1002210//ESTs//4.2e-16:92:100//Hs.54862;AA248349

F-Y79AA1002211//ESTs, Weakly similar to PHOSPHATIDYLETHANOLAMINE-BINDING PROTEIN [H.sapiens]//

R-Y79AA1002220//EST//1.3e-68:326:100//Hs.131052:AI016274

R-Y79AA1002229//ESTs//1.9e-98:467:98//Hs.132002:AI039977

R-Y79AA1002234//Homo sapiens mRNA for KIAA0692 protein, partial cds//2.0e-118:564:98//Hs.100729:

10 AB014592

R-Y79AA1002246//ESTs, Weakly similar to PROTEIN KINASE C, BRAIN ISOZYME [D.melanogaster]//9.0e-102: 507:96//Hs.25895:Al341537

R-Y79AA1002258//Homo sapiens mRNA for KIAA0655 protein, partial cds//2.4e-93:453:97//Hs.96731:AB014555 R-Y79AA1002298//ESTs//0.022:241:62//Hs.118272:N90288

R-Y79AA1002307//Homo sapiens mRNA for KIAA0634 protein, partial cds//8.1e-110:403:99//Hs.30898: AB014534

R-Y79AA1002311//EST//2.6e-27:214:85//Hs.144721:AI187985

R-Y79AA1002351//ESTs//5.6e-100:489:97//Hs.30318:AA913371

R-Y79AA1002361

20 R-Y79AA1002399//ESTs//0.029:149:65//Hs.43872:N26908

R-Y79AA1002407//ESTs//2.8e-117:552:99//Hs.99519:AI042000

R-Y79AA1002416//ESTs//2.6e-107:531:96//Hs.6716:AA502753

R-Y79AA100243//EST//6.6e-23:128:98//Hs.128417:AA975026

R-nnnnnnnnn//ESTs, Highly similar to CELL DIVISION CONTROL PROTEIN 68 [Saccharomyces cerevisiae]

<sup>25</sup> //4.4e-62:390:88//Hs.143930:Al207821

R-Y79AA1002472//ESTs//1.1e-39:234:78//Hs.117969:H94870

R-Y79AA1002482//ESTs//3.4e-45:312:85//Hs.146811:AA410788

R-Y79AA1002487//ESTs//1.7e-80:427:94//Hs.49210:N66499

## 30 Homology Search Result Data 6

[0314] Data obtained by the homology search for full-length nucleotide sequences and deduced amino acid sequences. In the result of the search shown below, both units, as and bp, are used as length units for the sequences to be compared. Each data includes Clone name, Definition in hit data, P value, Length of sequence to be compared, Homology, and Accession number (No.) of hit data. These items are shown in this order and separated by a double-slash

mark, //,

C-HEMBA1000005//DNAJ PROTEIN HOMOLOG MTJ1.//1.9E-250//554aa//85%//Q61712

C-HEMBA1000030

40 C-HEMBA1000046

C-HEMBA1000050

C-HEMBA1000076

C-HEMBA1000156//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M).// 1.9E-12//368aa//24%//P08553

45 C-HEMBA1000158//HEPATOCYTE NUCLEAR FACTOR 3.-GAMMA (HNF-3G).//5E-16//166aa//36%//P35584

C-HEMBA1000168//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE I).//2.9E-14//303aa//25%//P35662

C-HEMBA1000185//RAS-RELATED PROTEIN RAL-A.//3.4E-12//125aa//31%//P48555

C-HEMBA1000193

C-HEMBA1000227

50 C-HEMBA1000288

C-HEMBA1000302

C-HEMBA1000304

C-HEMBA1000307//CARNITINE DEFICIENCY-ASSOCIATED PROTEIN EXPRESSED IN VENTRICLE 1//5.2E-49//107aa//91 %//035594

55 C-HEMBA1000369//Novel human mRNA similar to mouse gene PICK1 (TR:Q62083).//0//1950bp//98%// AL049654

C-HEMBA1000387

C-HEMBA1000392

```
C-HEMBA1000460
        C-HEMBA1000488//RING CANAL PROTEIN (KELCH PROTEIN).//3.3E-45//481aa//29%//Q04652
        C-HEMBA1000491//RAS-LIKE PROTEIN 2.//2E-22//188aa//31%//P22279
        C-HEMBA1000501
        C-HEMBA1000508
        C-HEMBA1000520
        C-HEMBA1000531//HEAT SHOCK 70 KD PROTEIN COGNATE 1 (HEAT SHOCK 70 KD PROTEIN 70C) (FRAG-
        MENTS).//2.6E-12//73aa//41%//P02826
        C-HEMBA1000534
10
        C-HEMBA1000555
        C-HEMBA1000568
        C-HEMBA1000588
        C-HEMBA1000608//HYPOTHETICAL PROTEIN KIAA0411 (FRAGMENT).//1.8E-55//179aa//61%//O43295
        C-HEMBA1000636
15
        C-HEMBA1000682
        C-HEMBA1000686
        C-HEMBA1000719
        C-HEMBA1000727
        C-HEMBA1000752
20
        C-HEMBA1000817
        C-HEMBA1000851
        C-HEMBA1000867
        C-HEMBA1000869
        C-HEMBA1000872
25
        C-HEMBA1000910//MELANOMA-ASSOCIATED ANTIGEN B1 (MAGE-B1 ANTIGEN) (MAGE-XP ANTIGEN)//
        1.6E-30//127aa//40%//P43366
        C-HEMBA1000918
        C-HEMBA1000919//HYPOTHETICAL 65.5 KD TRP-ASP REPEATS CONTAINING PROTEIN F02E8.5 IN CHRO-
        MOSOME X.//1E-10//288aa//23%//Q19124
30
        C-HEMBA1000946
        C-HEMBA1000968
        C-HEMBA1000971
        C-HEMBA1000975
        C-HEMBA1001009
35
        C-HEMBA1001022
        C-HEMBA1001043//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID)(FRAGMENT).//
        1.4E-12//131aa//38%//Q01485
        C-HEMBA1001052
        C-HEMBA1001080
40
        C-HEMBA1001085
        C-HEMBA1001088//PINCH PROTEIN (PARTICULARY INTERESTING NEW CYS-HIS PROTEIN).//3.5E-50//
        176aa//57%//P48059
        C-HEMBA1001109
        C-HEMBA1001122
45
        C-HEMBA1001133
        C-HEMBA1001137//ZINC FINGER PROTEIN 33A (ZINC FINGER PROTEIN KOX31) (KIAA0065) (HA0946)
        (FRAGMENT).//1.5E-116//197aa//58%//Q06730
        C-HEMBA1001174//ADP-RIBOSYLATION FACTOR-LIKE PROTEIN 5.//6.8E-79//179aa//80%//P51646
50
        C-HEMBA1001197//Homo sapiens mRNA for KIAA0871 protein, complete cds.//9.5E-257//1307bp//94%//
        AB020678
        C-HEMBA1001235
        C-HEMBA1001257//Homo sapiens mRNA 2-methylacyl-CoA racemase.//0//1672bp//99%//AJ130733
        C-HEMBA1001281
55
        C-HEMBA1001286//COMPLEMENT DECAY-ACCELERATING FACTOR PRECURSOR.//0.00000002//198aa//
        29%//Q60401
        C-HEMBA1001303
        C-HEMBA1001310
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|     | C-HEMBA1001326  |
|-----|---|
|     | C-HEMBA1001351//Homo sapiens VAMP-associated protein of 33 kDa (VAP-33) mRNA, complete cds.//1.4E-      |
|     | 133//614bp//99%//AF057358   |
| _   | C-HEMBA1001387//GTP-BINDING PROTEIN TC10.//2.9E-64//104aa//82%//P17081                                  |
| 5   | C-HEMBA1001388  |
|     | C-HEMBA1001398  |
|     | C-HEMBA1001405  |
|     | C-HEMBA1001407  |
| 40  | C-HEMBA1001413  |
| 10  | C-HEMBA1001415  |
|     | C-HEMBA1001446  |
|     | C-HEMBA1001450  |
|     | C-HEMBA1001455  |
| 15  | C-HEMBA1001510//CYCLIC-AMP-DEPENDENT TRANSCRIPTION FACTOR ATF-6 (FRAGMENT).//1.7E-16/.63aa//61%//P18850 |
| ,,  | C-HEMBA1001526//PERIPLASMIC [FE] HYDROGENASE 1 (EC 1.18.99.1).//4.9E-37//399aa//29%//P29166             |
|     | C-HEMBA1001533  |
|     | C-HEMBA1001579//Homo sapiens mRNA for KIAA0850 protein, complete cds.//0//1662bp//99%//AB020657         |
|     | C-HEMBA1001581  |
| 20  | C-HEMBA1001595//SEPTIN 2 HOMOLOG (FRAGMENT).//4.9E-156//348aa//83%//Q14141                              |
|     | C-HEMBA1001635//TESTIS SPECIFIC PROTEIN A (ZINC FINGER PROTEIN TSGA).//1.6E-10//155aa//28%//            |
|     | Q63679  |
|     | C-HEMBA1001661//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN).//4.6E-36/                    |
|     | 365aa//33%//P33450  |
| 25  | C-HEMBA1001702  |
|     | C-HEMBA1001714//Homo sapiens mRNA; cDNA DKFZp564G0422 (from clone DKFZp564G0422).//0//1845bp/           |
|     | 99%//AL050386   |
|     | C-HEMBA1001731  |
|     | C-HEMBA1001744//SCY1PROTEIN.//9.9E-32//481aa//25%//P53009   |
| 30  | C-HEMBA1001809//IMMEDIATE-EARLY PROTEIN IE180.//3.8E-11//206aa//36%//P11675                             |
|     | C-HEMBA1001815  |
|     | C-HEMBA1001819//ZINC FINGER PROTEIN 184 (FRAGMENT).//2.9E-135//459aa//52%//Q99676                       |
|     | C-HEMBA1001847//ZINC FINGER PROTEIN 29 (ZFP-29).//7.6E-64//221aa//55%//Q07230                           |
| 0.5 | C-HEMBA1001864  |
| 35  | C-HEMBA1001869//TRITHORAX PROTEIN.//0.000096//166aa//27%//P20659  |
|     | C-HEMBA1001896//DIMETHYLGLYCINE DEHYDROGENASE PRECURSOR (EC 1.5.99.2) (ME2GLYDH).//                     |
|     | 9.3E-36//395aa//26%//Q63342   |
|     | C-HEMBA1001987<br>C-HEMBA1002018  |
| 40  | C-HEMBA1002018 C-HEMBA1002049   |
|     | C-HEMBA1002084  |
|     | C-HEMBA1002125  |
|     | C-HEMBA1002161//MYOSIN HEAVY CHAIN, CARDIAC MUSCLE BETA ISOFORM.//1.4E-51//180aa//56%/                  |
|     | P79293 .  |
| 45  | C-HEMBA1002177//TRANSCRIPTION FACTOR GATA-4 (GATA BINDING FACTOR-4).//6E-13//190aa//36%/                |
|     | P43694  |
|     | C-HEMBA1002191  |
|     | C-HEMBA1002199  |
|     | C-HEMBA1002212//TYROSINE-PROTEIN KINASE 2 (EC 2.7.1.112) (FRAGMENT).//3E-17//267aa//29%/                |
| 50  | P18161  |
|     | C-HEMBA1002237  |
|     | C-HEMBA1002265  |
|     | C-HEMBA1002267//Sus scrofa decorin mRNA, complete cds.//1.1E-46//302bp//90%//AF125537                   |
|     | C-HEMBA1002349  |
| 55  | C-HEMBA1002363//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//0/           |
|     | 1847bp//99%//AF092563   |
|     | C-HEMBA1002419//TRICHOHYALIN.//1.9E-09//299aa//24%//P22793  |
|     | C-HEMBA1002430  |

- C-HEMBA1002439 C-HEMBA1002458//OVARIAN GRANULOSA CELL 13.0 KD PROTEIN HGR74,//4.2E-24//109aa//55%//Q00994 C-HEMBA1002460 C-HEMBA1002462 5 C-HEMBA1002469//DXS8237E PROTEIN (FRAGMENT).//3.5E-50//199aa//61%//P98175 C-HEMBA1002475//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN).//1.1E-12//285aa// 31%//P17437 C-HEMBA1002477 C-HEMBA1002495//LIGHT-MEDIATED DEVELOPMENT PROTEIN DET1.//6.8E-53//257aa//36%//P48732 10 C-HEMBA1002515 C-HEMBA1002542 C-HEMBA1002569//Homo sapiens protein associated with Myc mRNA, complete cds.//6.8E-305//951bp//99%// AF075587 C-HEMBA1002583 15 C-HEMBA1002609//Homo sapiens mRNA for KIAA0597 protein, partial cds.//1.4E-253//1149bp//99%//AB011169 C-HEMBA1002624//Homo sapiens mRNA for KIAA0808 protein, complete cds.//0//1539bp//99%//AB018351 C-HEMBA1002688 C-HEMBA1002696 C-HEMBA1002750 20 C-HEMBA1002768//Homo sapiens mRNA for Cdc42-interacting protein 4 (CIP4).//1E-80//882bp//61%//AJ000414 C-HEMBA1002770//Homo sapiens mRNA for KIAA0829 protein, partial cds.//0//1532bp//99%//AB020636 C-HEMBA1002777 C-HEMBA1002794 C-HEMBA1002810//Homo sapiens formin binding protein 21 mRNA, complete cds.//8.2e-314//1437bp//99%// 25 AF071185 C-HEMBA1002818//Homo sapiens, mRNA for fibulin-4.//2E-304//1383bp//99%//AJ132819 C-HEMBA1002850 C-HEMBA1002863 C-HEMBA1002876//HYPOTHETICAL 26.4 KD PROTEIN EEED8.8 IN CHROMOSOME II.//1.5E-44//188aa// 30 52%//Q09297 C-HEMBA1002935//Homo sapiens mRNA for KIAA0576 protein, partial cds.//0//1483bp//100%//AB011148 C-HEMBA1002937 C-HEMBA1002939//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//2E-34//300aa//34%// P16157 35 C-HEMBA1002951//Homo sapiens mRNA for KIAA0903 protein, partial cds.//0//1752bp//99%//AB020710 C-HEMBA1002954 C-HEMBA1002971 C-HEMBA1002973//CAMP-DEPENDENT 3',5'-CYCLIC PHOSPHODIESTERASE 4B (EC 3.1.4.17) (DPDE4).// 1.2E-27//63aa//100%//P14646 40 C-HEMBA1002997//CENTROMERIC PROTEIN E (CENP-E PROTEIN),//3.8E-25//5 34aa//24%//Q02224 C-HEMBA1003033 C-HEMBA1003035 C-HEMBA1003041 C-HEMBA1003046//MITOCHONDRIAL PROCESSING PROTEASE BETA SUBUNIT PRECURSOR (EC
- C-HEMBA1003117
  C-HEMBA1003129

  C-HEMBA1003136//MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (ATP-MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE) (NDP-HEXOSE PYROPHOSPHORYLASE).//8.5E-51//221aa//

3.4.24.64) (BETA-MPP) (P-52).//2.5E-263//489aa//99%//O75439

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C-HEMBA1003067 C-HEMBA1003096

- 33%//P41940 C-HEMBA1003148//Homo sapiens mRNA full-length insert cDNA clone EUROIMAGE 381801.//0//1583bp//99%// AL079278
- 55 C-HEMBA1003175
  C-HEMBA1003179//PROBABLE TRNA (5-METHYLAMINOMETHYL-2-THIOURIDYLATE)-METHYLTRANS-FERASE (EC 2.1.1.61).//5.9E-74//134aa//53%//P44551
  C-HEMBA1003199

|    | C-HEMBA1003222   |
|----|--|
|    | C-HEMBA1003235//TROPOMYOSIN.//0.0000023//109aa//33%//Q02088  |
|    | C-HEMBA1003250//PROTEIN KINASE APK1A (EC 2.7.1).//7.2E-41//245aa//42%//Q06548                            |
|    | C-HEMBA1003257   |
| 5  | C-HEMBA1003281//POLIOVIRUS RECEPTOR PRECURSOR.//6E-11//239aa//32%//P32506                                |
|    | C-HEMBA1003286//Homo sapiens mRNA for beta-1,4-galactosyltransferase IV, complete cds.//5.4E-229//       |
|    | 1043bp//99%//AB024436  |
|    | C-HEMBA1003291//Homo sapiens mRNA for KIAA0537 protein, complete cds.//0//791bp//99%//AB011109           |
|    | C-HEMBA1003322   |
| 10 | C-HEMBA1003327   |
|    | C-HEMBA1003369//CENTROMERIC PROTEIN E (CENP-E PROTEIN).//0.00000002//248aa//23%//Q02224                  |
|    | C-HEMBA1003370   |
|    | C-HEMBA1003380   |
|    | C-HEMBA1003395   |
| 15 | C-HEMBA1003402   |
|    | C-HEMBA1003408//Homo sapiens mRNA for KIAA0905 protein, complete cds.//0//1732bp//98%//AB020712          |
|    | C-HEMBA1003417//Homo sapiens mRNA; cDNA DKFZp586C021 (from clone DKFZp586C021).//1.6e-312//              |
|    | 1414bp//99%//AL050287  |
|    | C-HEMBA1003418//TRICHOHYALIN.//8.7E-19//281aa//31%//P37709   |
| 20 | C-HEMBA1003433//Homo sapiens gene for NBS1, complete cds.//0//511bp//94%//AB013139                       |
|    | C-HEMBA1003447   |
|    | C-HEMBA1003461   |
|    | C-HEMBA1003463   |
|    | C-HEMBA1003528   |
| 25 | C-HEMBA1003545//INSULIN GENE ENHANCER PROTEIN ISL-2 (ISLET-2).//8.8E-189//360aa//96%//P50480             |
|    | C-HEMBA1003555//NUCLEOTIDE-BINDING PROTEIN (NBP).//2.1E-68//251aa//52%//P53384                           |
|    | C-HEMBA1003560//GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-2 SUBUNIT (G GAM-                |
|    | MA-I).//1.2E-31//71aa//100%//P16874  |
|    | C-HEMBA1003568//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)).//7.9E-             |
| 30 | 49//279aa//32%//P19474   |
|    | C-HEMBA1003569//METASTASIS-ASSOCIATED PROTEIN MTA1.//6.9E-206//445aa//74%//Q13330                        |
|    | C-HEMBA1003581//TALIN.//4.4E-45//52aa//98%//P26039   |
|    | C-HEMBA1003591//CHLOROPLAST 28 KD RIBONUCLEOPROTEIN PRECURSOR (28RNP).//4.4E-10//118aa//                 |
|    | 35%//P19682  |
| 35 | C-HEMBA1003615   |
|    | C-HEMBA1003617//Homo sapiens HRIHFB2157 mRNA, partial cds.//8.2E-178//501bp//97%//AB015344               |
|    | C-HEMBA1003621   |
|    | C-HEMBA1003662//TBX2 PROTEIN (T-BOX PROTEIN 2).//1.2E-75//151aa//99%//Q13207                             |
|    | C-HEMBA1003690//HISTONE DEACETYLASE HDA1.//2.1E-59//249aa//47%//P53973                                   |
| 40 | C-HEMBA1003711   |
|    | C-HEMBA1003807   |
|    | C-HEMBA1003864   |
|    | C-HEMBA1003953//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT).//3.8E-16//                |
|    | 89aa//46%//P16372  |
| 45 | C-HEMBA1003959   |
|    | C-HEMBA1003989   |
|    | C-HEMBA1004074   |
|    | C-HEMBA1004097//Mus musculus putative transcription factor mRNA, complete cds.//8.5E-221//1188bp//78%//  |
|    | AF091234   |
| 50 | C-HEMBA1004146   |
|    | C-HEMBA1004199//Homo sapiens mRNA for KIAA0928 protein, partial cds.//0//1893bp//98%//AB023145           |
|    | C-HEMBA1004207//Homo sapiens leptin receptor short form (db) mRNA, complete cds.//0//1892bp//99%//U50748 |
|    | C-HEMBA1004227//Rattus norvegicus protein phosphatase 2C mRNA, complete cds.//5.7E-217//1217bp//88%//    |
|    | AF095927   |

C-HEMBA1004276//Homo sapiens AP-4 adaptor complex beta4 subunit mRNA, complete cds.//4.8E-257//738bp//

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C-HEMBA1004246

99%//AF092094 C-HEMBA1004289

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C-HEMBA1004509//Homo sapiens CGI-21 protein mRNA, complete cds.//0//1512bp//96%//AF132955 C-HEMBA1004534//Homo sapiens gamma-filamin (ABPL) mRNA, complete cds.//1.2e-316//1445bp//99%// AF089841 C-HEMBA1004596 C-HEMBA1004693 C-HEMBA1004736 C-HEMBA1004753 C-HEMBA1004756//Human transporter protein (g17) mRNA, complete cds.//9.1E-34//515bp//66%//U49082 C-HEMBA1004758//Homo sapiens transcription factor SL1 mRNA, complete cds.//2.6E-246//1249bp//94%// 10 L39060 C-HEMBA1004763 C-HEMBA1004768//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//5.4E-111//314aa//58%//P08547 C-HEMBA1004771 C-HEMBA1004776 15 C-HEMBA1004795//CDC4-LIKE PROTEIN (FRAGMENT).//3.8E-69//198aa//66%//P50851 C-HEMBA1004806 C-HEMBA1004847//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//8.2E-154//317aa//94%// Q00004 C-HEMBA1004850 20 C-HEMBA1004863//Homo sapiens mRNA; cDNA DKFZp586M2022 (from clone DKFZp586M2022).//0//1443bp// 100%//AL080114 C-HEMBA1004923 C-HEMBA1004929 C-HEMBA1004930//26S PROTEASOME SUBUNIT S5B (KIAA0072) (HA1357).//3.3E-27//65aa//100%//Q16401 25 C-HEMBA1004933 C-HEMBA1004954 C-HEMBA1004972//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H).// 0.00000096//286aa//23%//P12036 C-HEMBA1005475 30 C-HEMBA1005581//Homo sapiens SLIT2 (SUL2) mRNA, complete cds.//0//1721bp//100%//AF133270 C-HEMBA1006248//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT).//8.6E-23// 151aa//37%//P16372 C-HEMBA1006310//Rattus norvegicus cytosolic sorting protein PACS-1a (PACS-1) mRNA, complete cds.//3.7E-225//1189bp//88%//AF076183 35 C-HEMBA1006344//RADIXIN.//1.5E-31//333aa//28%//P26043 C-HEMBA1006377 C-HEMBA1006467 C-HEMBA1006474//40 KD PROTEIN.//1.4E-39//292aa//34%//Q01552 C-HEMBA1006530 C-HEMBA1006737//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID) (FRAGMENT).// 0.000000043//111aa//40%//Q01485 C-HEMBA1006795 C-HEMBA1006877//OXYSTEROL-BINDING PROTEIN.//2E-59//378aa//39%//P16258 C-HEMBA1006936 C-HEMBA1007018//Homo sapiens dynein light chain-A mRNA, complete cds.//1.5E-267//1215bp//99%// AP078849 C-HEMBA1007342 C-HEMBB1000008 C-HEMBB1000018 C-HEMBB1000024 C-HEMBB1000025 C-HEMBB1000036 C-HEMBB1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//2.8E-187// 1582bp//80%//AF084928 C-HEMBB1000083//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC 2.7.1.117) (MLCK) [CONTAINS: TELOKIN].//1.9E-22//426aa//25%//P11799 C-HEMBB1000103

C-HEMBB1000119//Homo sapiens ASMTL gene.//0//1891bp//99%//Y15521

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C-HEMBB1000136
        C-HEMBB1000215
        C-HEMBB1000226//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE EEED8.5.//
        2.7E-12//112aa//47%//Q09530
 5
        C-HEMBB1000244
        C-HEMBB1000266//HYPOTHETICAL 54.5 KD TRP-ASP REPEATS CONTAINING PROTEIN ZC302.2 IN CHRO-
        MOSOME V.//6.1E-09//242aa//26%//Q23256
        C-HEMBB1000338
        C-HEMBB1000339
10
        C-HEMBB1000391
        C-HEMBB1000438
        C-HEMBB1000449
        C-HEMBB1000589
        C-HEMBB1000591
15
        C-HEMBB1000623
        C-HEMBB1000630
        C-HEMBB1000631//LONGEVITY-ASSURANCE PROTEIN 1 (LONGEVITY ASSURANCE FACTOR 1).//4.1E-19//
        232aa//28%//P78970
        C-HEMBB1000632//GUANINE NUCLEOTIDE RELEASING PROTEIN (GNRP).//2.2E-28//273aa//31%//P27671
20
        C-HEMBB1000671
        C-HEMBB1000673
        C-HEMBB1000705
        C-HEMBB1000706
        C-HEMBB1000725//Rattus norvegicus GTPase Rab8b (Rab8b) mRNA, complete cds.//6.2E-130//692bp//93%//
25
        C-HEMBB1000763//Homo sapiens CGI-89 protein mRNA, complete cds.//0//1676bp//96%//AF151847
        C-HEMBB1000781//Homo sapiens mitogen-activated protein kinase kinase kinase MEKK2 mRNA, complete cds.//
        1.2E-126//613bp//97%//AF111105
        C-HEMBB1000789//PUTATIVE 90.2 KD ZINC FINGER PROTEIN IN CCA1-ADK2 INTERGENIC REGION.//5.1E-
30
        54//232aa//43%//P39956
        C-HEMBB1000807
        C-HEMBB1000810
        C-HEMBB1000848
        C-HEMBB1000852
35
        C-HEMBB1000870
        C-HEMBB1000887
        C-HEMBB1000908
        C-HEMBB1000927//Homo sapiens calsenilin mRNA, complete cds.//1.1E-70//595bp//76%//AF120102
        C-HEMBB1000947//Homo sapiens clone HAW 100 putative ribonuclease III mRNA, complete cds.//0//2292bp//
40
        99%//AF116910
        C-HEMBB1000973//Mus musculus schlafen3 (Sifn3) mRNA, complete cds.//3.4E-120//580bp//67%//AF099974
        C-HEMBB1000975
        C-HEMBB1000985//MEPP PROTEIN (MURINE IAP-PROMOTED PLACENTA-EXPRESSED PROTEIN).//8.6E-
        18//178aa//30%//P28575
45
        C-HEMBB1000991
        C-HEMBB1001011//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.4E-73//230aa//45%//
        P51523
        C-HEMBB1001014
        C-HEMBB1001024
50
        C-HEMBB1001056//PROLIFERATING-CELL NUCLEOLAR ANTIGEN P120 (PROLIFERATION-ASSOCIATED
        NUCLEOLAR PROTEIN P120).//2.9E-19//264aa//34%//P46087
        C-HEMBB1001058//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//3.6E-52//331bp//
        80%//AF010144
        C-HEMBB1001068//Homo sapiens liprin-beta2 mRNA, partial cds.//2.4E-307//1447bp//97%//AF034803
55
        C-HEMBB1001096
        C-HEMBB1001105
        C-HEMBB1001117
        C-HEMBB1001126
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C-HEMBB1001137//Homo sapiens mRNA for putative phospholipase, complete cds.//0//3069bp//99%//AB019435 C-HEMBB1001151//Rattus norvegicus golgi stacking protein homolog GRASP55 mRNA, complete cds.//4.2E-210//1835bp//76%//AF110267

C-HEMBB1001153

5 C-HEMBB1001169

C-HEMBB1001175//ANKYRIN.//6.9E-11//169aa//31%//Q02357

C-HEMBB1001182

C-HEMBB1001199

C-HEMBB1001210//Homo sapiens mRNA for KIAA0970 protein, complete cds.//0//1816bp//99%//AB023187

10 C-HEMBB1001242//Homo sapiens topoisomerase-related function protein (TRF4-2) mRNA, partial cds.//1.8E-284//713bp//100%//AF089897

C-HEMBB1001288//Homo sapiens CGI-32 protein mRNA, complete cds.//1.8E-274//642bp//99%//AF132966 C-HEMBB1001289

C-HEMBB1001294//GTP-BINDING PROTEIN TC10.//1.2E-79//196aa//80%//P17081

C-HEMBB1001314//Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds.//1.3E-129// 724bp//86%//U92703

C-HEMBB1001331

C-HEMBB1001339//DXS8237E PROTEIN (FRAGMENT).//0.0000046//124aa//37%//P98175

C-HEMBB1001346//Homo sapiens phenylalanine-tRNA synthetase (FARS1) mRNA, nuclear gene encoding mi-

20 tochondrial protein, complete cds.//1.1E-58//292bp//99%//AF097441

C-HEMBB1001369

C-HEMBB1001384//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.//0//1586bp//99%//AF100757 C-HEMBB1001387

C-MAMMA1002317

<sup>25</sup> C-MAMMA1002319

C-MAMMA1002385//RIBONUCLEOPROTEIN RB97D.//0.00000015//206aa//29%//Q02926

C-NT2RM1000080//UNC-1 PROTEIN.//5.9E-25//211aa//31%//Q21190

C-NT2RM1000242

C-NT2RM1000257//MAGO NASHI PROTEIN.//7.9E-69//143aa//91%//P49028

C-NT2RM1000280//VACUOLAR ATP SYNTHASE SUBUNIT D (EC 3.6.1.34) (V-ATPASE D SUBUNIT) (V- ATPASE 28 KD ACCESSORY PROTEIN).//1.5E-106//118aa//97%//P39942

C-NT2RM1000669

C-NT2RM1000781

C-NT2RM1000867//Homo sapiens HSPC033 mRNA, complete cds.//6.3E-172//798bp//99%//AF092138

35 C-NT2RM1001008

C-NT2RM1001044//Homo sapiens HSPC031 mRNA, complete cds.//0.000000002//980bp//95%//AF085360 C-NT2RM1001074

C-NT2RM1001115//ENDOCHITINASE 2 PRECURSOR (EC 3.2.1.14).//0.0000056//239aa//27%//

C-NT2RM2000006//Human DNA sequence from clone 796F18 on chromosome 1p36.11-36.33 Contains a pseu-

dogene similar to MMS2, ESTs and GSSs, complete sequence.//0//1740bp//99%//AL031291

C-NT2RM2000013//DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE III SUBUNIT 2).//2.2E-144//362aa//71%//P25167

C-NT2RM2000030//DYNEIN INTERMEDIATE CHAIN, CYTOSOLIC (DH IC) (CYTOPLASMIC DYNEIN INTERMEDIATE CHAIN).//0.00000043//136aa//31%//P54703

45 C-NT2RM2000032

40

C-NT2RM2000042

C-NT2RM2000092//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 8 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE 8) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 8) (DEUBIQUITINATING ENZYME 8).// 1.3E-36//160aa//40%//P50102

50 C-NT2RM2000093

C-NT2RM2000101

C-NT2RM2000191//Homo sapiens cGMP phosphodiesterase A1 (PDE9A) mRNA, complete cds.//0//1574bp// 99%//AF067223

C-NT2RM2000192

55 C-NT2RM2000239

C-NT2RM2000250//Homo sapiens mRNA; cDNA DKFZp564L232 (from clone DKFZp564L232).//4.2e-314// 1416bp//100%//AL080069

C-NT2RM2000259

- C-NT2RM2000260//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).//3.6E-19//181-aa//34%//P14918
- C-NT2RM2000287

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- C-NT2RM2000322//Homo sapiens mRNA for KIAA0859 protein, complete cds.//3.4E-294//863bp//99%//
- C-NT2RM2000359//Homo sapiens mRNA for KIAA0560 protein, complete cds.//0//1637bp//99%//AB011132
  C-NT2RM2000363//BREAKPOINT CLUSTER REGION PROTEIN.//1.8E-14//245aa//29%//P11274
  C-NT2RM2000368//Homo sapiens protein kinase C-binding protein RACK7 mRNA, partial cds.//0//1506bp//99%//U48251
- 10 C-NT2RM2000371//POLYRIBONUCLEOTIDE NUCLEOTIDYLTRANSFERASE (EC 2.7.7.8) (POLYNUCLE-OTIDE//1.7E-68//419aa//36%//P50849
  - C-NT2RM2000374
  - C-NT2RM2000395
  - C-NT2RM2000402//ENDOSOMAL P24A PROTEIN PRECURSOR (70 KD ENDOMEMBRANE PROTEIN) (PHE-
- ROMONE ALPHA-FACTOR TRANSPORTER) (ACIDIC 24 KD LATE ENDOCYTIC INTERMEDIATE COMPONENT).//1.6E-54//344aa//33%//P32802
  - C-NT2RM2000407
  - C-NT2RM2000422//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73.//1E-222//237aa//89%//Q08469
- 20 C-NT2RM2000452//HYPOTHETICAL 63.6 KD PROTEIN IN YPT52-GCN3 INTERGENIC REGION.//0.0000001// 157aa//28%//P36113
  - C-NT2RM2000469//NITROGEN PERMEASE REACTIVATOR PROTEIN (EC 2.7.1.-).//0.0000089//377aa//24%//P22211
  - C-NT2RM2000490//SYNAPTOTAGMIN(P65).//1.8E-13//166aa//34%//P41823
- 25 C-NT2RM2000502
  - C-NT2RM2000504//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//0//1673bp//99%//AF061243 C-NT2RM2000522//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN).//1.3E-12//282aa//32%//P17437
  - C-NT2RM2000540
- 30 C-NT2RM2000567

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- C-NT2RM2000569
- C-NT2RM2000577//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE-TRNA LIGASE) (ILERS).// 1.7E-187//741aa//46%//P73505
- C-NT2RM2000581//Homo sapiens mRNA for KIAA0214 protein, complete cds.//0//3001bp//99%//D86987
- 35 C-NT2RM2000588//HISTONE DEACETYLASE HDA1.//2.8E-60//384aa//40%//P53973
  - C-NT2RM2000594//Homo sapiens DNA cytosine-5 methyltransferase 3 beta 3 (DNMT3B) mRNA, complete cds.// 0//2712bp//99%//AF156487
  - C-NT2RM2000599//Homo sapiens F-box protein Lilina (LILINA) mRNA, complete cds.//4.9E-70//838bp//69%// AF179221
- 40 C-NT2RM2000624//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//4.4E-32//319aa//35%//Q08170 C-NT2RM2000635//Homo sapiens mRNA for KIAA0729 protein, partial cds.//0//3791bp//99%//AB018272
  - C-NT2RM2000636//Homo sapiens mRNA for KIAA0658 protein, partial cds.//0//2530bp//99%//AB014558
    C-NT2RM2000639
  - C-NT2RM2000649//Homo sapiens mRNA for KIAA0676 protein, partial cds.//0//1543bp//99%//AB014576 C-NT2RM2000669
    - C-NT2RM2000691//ACTIN-LIKE PROTEIN 3 (ACTIN-2).//3.7E-142//285aa//90%//P32391
    - C-NT2RM2000714//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP1).//3.8E-23//184aa//36%//Q15404
- 50 C-NT2RM2000718//Homo sapiens HRIHFB2436 mRNA, partial cds.//4.4E-231//1065bp//99%//AB015342 C-NT2RM2000740//POSSIBLE GLOBAL TRANSCRIPTION ACTIVATOR SNF2L.//5.7E-53//266aa//43%// P41877
  - C-NT2RM2000795
  - C-NT2RM2000821//COATOMER BETA SUBUNIT (BETA-COAT PROTEIN) (BETACOP).//9.5E-279//545aa//98%//P23514
  - C-NT2RM2000837
  - C-NT2RM2000951//Homo sapiens XYLB mRNA for xylulokinase, complete cds.//1.7E-200//927bp//99%// AB015046

|    | C-N12RM2000952   |
|----|--|
|    | C-NT2RM2000984   |
|    | C-NT2RM2001004   |
|    | C-NT2RM2001035//CCR4-ASSOCIATED FACTOR 1 (CAF1).//8.2E-154//285aa//99%//Q60809                   |
| 5  | C-NT2RM2001065   |
|    | C-NT2RM2001100//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III.//2.4E-15//266aa/        |
|    | 26%//P46577  |
|    | C-NT2RM2001131   |
|    | C-NT2RM2001141   |
| 10 | C-NT2RM2001152   |
|    | C-NT2RM2001177//Homo sapiens mRNA; cDNA DKFZp586G1822 (from clone DKFZp586G1822).//2.1E-293/     |
|    | 1335bp//99%//AL080109  |
|    | C-NT2RM2001194   |
|    | C-NT2RM2001196//PROLINE-RICH PROTEIN MP-3 (FRAGMENT).//1.3E-20//267aa//35%//P05143               |
| 15 | C-NT2RM2001201//EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF5).//0.00000015//95aa//35%/       |
|    | P48724   |
|    | C-NT2RM2001221//KALIRIN (PAM COOH-TERMINAL INTERACTOR PROTEIN 10) (PCIP10).//3.6E-10//177aa/     |
|    | 32%//P97924  |
|    | C-NT2RM2001238//GLUTAMINASE, KIDNEY ISOFORM PRECURSOR (EC 3.5.1.2) (GLS) (L-GLUTAMINE AMI        |
| 20 | DOHYDROLASE).//1.3E-180//328aa//99%//P13264  |
|    | C-NT2RM2001243   |
|    | C-NT2RM2001247   |
|    | C-NT2RM2001256//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR).//1.6E-166//312aa//98%/            |
|    | P53995   |
| 25 | C-NT2RM2001291   |
|    | C-NT2RM2001306//Homo sapiens mRNA; cDNA DKFZp564I052 (from clone DKFZp564I052).//0//1694bp//99%/ |
|    | AL080063   |
|    | C-NT2RM2001312   |
|    | C-NT2RM2001319   |
| 30 | C-NT2RM2001324//ZYXIN.//6.8E-55//200aa//41%//Q04584  |
|    | C-NT2RM2001345//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E1.//0.000000029//334aa//22%//000808     |
|    | C-NT2RM2001370   |
|    | C-NT2RM2001393   |
|    | C-NT2RM2001420   |
| 35 | C-NT2RM2001424//Homo sapiens mRNA; cDNA DKFZp586D0920 (from clone DKFZp586D0920).//0//1621bp/    |
|    | 100%//AL050146   |
|    | C-NT2RM2001499//LOW-AFFINITY CATIONIC AMINO ACID TRANSPORTER-2 (CAT-2) (CAT2).//7.4E-121/        |
|    | 437aa//57%//P52569   |
|    | C-NT2RM2001504   |
| 10 | C-NT2RM2001524   |
|    | C-NT2RM2001544   |
|    | C-NT2RM2001547//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//6.9E-27/        |
|    | 90aa//42%//P38660  |
|    | C-NT2RM2001575//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SSA)) (RO(SS-A)).//4.3E       |
| 15 | 61//312aa//44%//P19474   |
|    | C-NT2RM2001582   |
|    | C-NT2RM2001886//Homo sapiens mRNA for KIAA0710 protein, complete cds.//0//1000bp//100%//AB014610 |
|    | C-NT2RM2001896//CELL DIVISION PROTEIN FTSJ.//5.1E-26//204aa//34%//P28692                         |
|    | C-NT2RM2001903//Homo sapiens mRNA for KIAA0462 protein, partial cds.//0//2390bp//99%//AB007931   |
| i0 | C-NT2RM2001930   |
|    | C-NT2RM2001935   |
|    | C-NT2RM2001936//32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION.//2.7E-27//216aa//34%//P28320     |
|    | C-NT2RM2001950//HYPOTHETICAL 105.9 KD PROTEIN IN AAC3-RFC5 INTERGENIC REGION.//0.0000001/        |
|    | 212aa//23%//P38250   |
| 5  | C-NT2RM2001982   |
|    | C-NT2RM2001989//NUCLEOLAR PROTEIN NOP4 (NUCLEOLAR PROTEIN NOP77).//1.9E-39//253aa//35%/          |
|    | P37838   |

C-NT2RM2001997//PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) (EC 5.3.4.1).//1.3E-10//232aa//

| 200/ | $II \cap$ | 12 | 7つ0 |
|------|-----------|----|-----|

C-NT2RM2001998//HYPOTHETICAL 85.7 KD PROTEIN C13G6.03 IN CHROMOSOME I.//3.1E-12//206aa//30%//Q09782

C-NT2RM2002004//LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG).// 0.000000029//83aa//44%//P40796

C-NT2RM2002014//HYPOTHETICAL 81.4 KD PROTEIN IN GREB-FEOA INTERGENIC REGION.//1.1E-89// 425aa//41%//P46837

C-NT2RM2002030//Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds.// 0//1959bp//99%//AB016789

10 C-NT2RM2002049

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C-NT2RM2002055//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS13.//0.00000099//338aa// 24%//Q07878

C-NT2RM2002088//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP).// 5E-62//104aa//57%//Q61990

15 C-NT2RM2002091

C-NT2RM2002100//Homo sapiens mRNA for ATP-dependent RNA helicase, partial.//0//1807bp//99%//AJ010840 C-NT2RM2002109//Homo sapiens glioma amplified on chromosome 1 protein (GAC1) mRNA, complete cds.//0// 1868bp//99%//AF030435

C-NT2RM2002128//PUTATIVE SERINE/THREONINE-PROTEIN KINASE PKWA (EC 2.7.1.-).//4.9E-13//487aa// 26%//P49695

C-NT2RM2002142//GASTRULATION SPECIFIC PROTEIN G12.//8E-31//105aa//47%//P47805

C-NT2RM2002178//Homo sapiens mRNA; cDNA DKFZp434E0335 (from clone DKFZp434E0335).//0//1683bp//99%//AL117402

C-NT2RM4000024//DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE III SUBUNIT 2).//7.1E-155//381aa//72%//P25167 C-NT2RM4000061

C-NT2RM4000104//ZINC FINGER PROTEIN 135.//1.5E-81//251aa//53%//P52742

C-NT2RM4000139//R.norvegicus trg mRNA.//2.3E-114//1161bp//72%//X68101

C-NT2RM4000169//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//4.8E-13//686aa//23%// P25386

C-NT2RM4000191//PUTATIVE ATP-DEPENDENT RNA HELICASE PL10.//9.2E-75//439aa//41%//P16381 C-NT2RM4000197

C-NT2RM4000210//Homo sapiens mRNA for KIAA0712 protein, complete cds.//0//1926bp//100%//AB018255

C-NT2RM4000229//Gallus gallus actin filament-associated protein (AFAP-110) mRNA, complete cds.//1.1E-27//633bp//64%//L20303

C-NT2RM4000290//Human transducin-like enhancer protein (TLE3) mRNA, complete cds.//2.2E-276//1124bp// 97%//M99438

C-NT2RM4000344//Homo sapiens mRNA for ATP-dependent metalloprotease YME1L.//0//2030bp//99%// AJ132637

40 C-NT2RM4000349//Homo sapiens HSPC028 mRNA, complete cds.//0//1827bp//99%//AF083246 C-NT2RM4000354//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN).//1.5E-21//208aa//35%//Q24371 C-NT2RM4000386//Mus musculus mRNA for Ten-m3, complete cds.//0//2156bp//86%//AB025412 C-NT2RM4000395

C-NT2RM4000421//Homo sapiens mRNA for nuclear transport receptor.//0//1730bp//99%//AJ133769

45 C-NT2RM4000457//HYPOTHETICAL 111.9 KD PROTEIN C22H10.03C IN CHROMOSOME I.//8E-20//393aa//

C-NT2RM4000471//Homo sapiens cysteine desulfurase (nifS) mRNA, complete cds.//0//2092bp//99%//AF097025 C-NT2RM4000486//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONES CP3, CP4 AND CP5) [CONTAINS: BASIC PEPTIDE IB-6; PEPTIDE P-H].//4.8E-11//242aa//31%//P04280

50 C-NT2RM4000496//SAP1 PROTEIN.//8.3E-53//434aa//29%//P39955

C-NT2RM4000511

C-NT2RM4000515//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H) (FRAGMENT).//1.1E-11//394aa//24%//P16884

C-NT2RM4000520

55 C-NT2RM4000585

C-NT2RM4000595//Homo sapiens leucine-rich repeats containing F-box protein FBL3 mRNA, complete cds.// 1.1E-285//1293bp//99%//AF186273

C-NT2RP1000018//Homo sapiens mRNA for KIAA0687 protein, partial cds.//0//1940bp//95%//AB014587

- C-NT2RP1000035//Homo sapiens mRNA for KIAA0850 protein, complete cds.//0//1652bp//99%//AB020657
- C-NT2RP1000040
- C-NT2RP1000063
- C-NT2RP1000086//H.sapiens mRNA for zinc finger protein, Hsal2.//0//1162bp//99%//X98834
- 5 C-NT2RP1000101
  - C-NT2RP1000111//COP1 REGULATORY PROTEIN.//4E-116//296aa//51%//P93471
  - C-NT2RP1000112
  - C-NT2RP1000124
  - C-NT2RP1000130//HEPATOMA-DERIVED GROWTH FACTOR (HDGF).//4.5E-50//181aa//60%//P51859
- 10 C-NT2RP1000163//Homo sapiens mRNA for KIAA0948 protein, complete cds.//0//1889bp//98%//AB023165
  - C-NT2RP1000170
  - C-NT2RP1000191
  - C-NT2RP1000202//ANKYRIN.//1E-25//302aa//34%//Q02357
  - C-NT2RP1000243
- 15 C-NT2RP1000259
  - C-NT2RP1000272//Homo sapiens TLS-associated protein TASR-2 mRNA, complete cds.//5.8E-114//616bp//93%//AF067730
  - C-NT2RP1000326//Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, complete cds.//1.3E-275//1249bp//99%//AF053551
- 20 C-NT2RP1000333//ANTI-SILENCING PROTEIN 1.//8.7E-47//155aa//58%//P32447
  - C-NT2RP1000348//REDUCED VIABILITY UPON STARVATION PROTEIN 161.//1.7E-15//162aa//30%//P25343 C-NT2RP1000357
  - C-NT2RP1000376//Homo sapiens mRNA; cDNA DKFZp434A102 (from clone DKFZp434A102).//0//2265bp//95%//AL080187
- 25 C-NT2RP1000413//Homo sapiens mRNA for KIAA0587 protein, complete cds.//0//1056bp//99%//AB011159 C-NT2RP1000416
  - C-NT2RP1000439//Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.//1.8E-94// 1019bp//63%//AF111423
  - C-NT2RP1000443//QUINONE OXIDOREDUCTASE (EC 1.6.5.5) (NADPH:QUINONE REDUCTASE) (ZETA-CRYSTALLIN).//2.4E-10//227aa//25%//Q08257
  - C-NT2RP1000470//PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III.//2.6E-94// 254aa//47%//P34580
  - C-NT2RP1000478//TUBULIN BETA-5 CHAIN (CLASS-V).//4.5E-240//445aa//97%//P09653
  - C-NT2RP1000481
- C-NT2RP1000493//Homo sapiens mRNA for KIAA0017 protein, complete cds.//0//2728bp//99%//D87686 C-NT2RP1000547//COP-COATED VESICLE MEMBRANE PROTEIN P24 PRECURSOR (FRAGMENT).//1.1E-27//193aa//35%//P49020
  - C-NT2RP1000574//HOMEOBOX PROTEIN MEIS2 (MEIS1-RELATED PROTEIN 1).//3.5E-75//151aa//94%//P97367
- 40 C-NT2RP1000581

30

- C-NT2RP1000630//NECDIN.//2.4E-44//227aa//41%//P25233
- C-NT2RP1000688
- C-NT2RP1000695
- C-NT2RP1000733//Human mRNA for GSPT1-TK protein,complete cds.//0//2057bp//99%//E14379
- 45 C-NT2RP1000738//Homo sapiens Wolf-Hirschhorn syndrome candidate 2 protein (WHSC2) mRNA, complete cds.//0//2186bp//99%//AF101434
  - C-NT2RP1000782//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-OPROTEIN SFA-1) (CD151 ANTIGEN).//1.2E-30//232aa//30%//O35566
- C-NT2RP1000825//GTPASE-ACTIVATING PROTEIN RHOGAP (RHO-RELATED SMALL GTPASE PROTEIN ACTIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN) (P50-RHOGAP).//8.2E-83//334aa//50%//Q07960 C-NT2RP1000833//Homo sapiens cGMP phosphodiesterase A1 (PDE9A) mRNA, complete cds.//0//1494bp//99%//AF067223
  - C-NT2RP1000846
  - C-NT2RP1000851
- 55 C-NT2RP1000856//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-OPROTEIN SFA-1) (CD151 ANTIGEN).//1.2E-30//232aa//30%//035566
  - C-NT2RP1000915//AUTOANTIGEN NGP-1.//1.7E-19//343aa//25%//Q13823
  - C-NT2RP1000947//Human E2 ubiquitin conjugating enzyme UbcH5B (UBCH5B) mRNA, complete cds.//4.6E-

|     | 105//504bp//99<%//U3931/   |
|-----|--|
|     | C-NT2RP1000954//RING CANAL PROTEIN (KELCH PROTEIN).//1.4E-23//370aa//28%//Q04652                           |
|     | C-NT2RP1000958//AUTOANTIGEN NGP-1.//1.4E-19//343aa//25%//Q13823  |
|     | C-NT2RP1000959//Human acidic ribosomal phosphoprotein P0 mRNA, complete cds.//2.5E-236//966bp//99%/.       |
| 5   | M17885   |
|     | C-NT2RP1000966//NUCLEOLIN (PROTEIN C23).//8.9E-299//554aa//99%//P19338                                     |
|     | C-NT2RP1000980   |
|     | C-NT2RP1000988   |
|     | C-NT2RP1001011//Drosophila melanogaster putative 43 kDa protein (TH1) mRNA, complete cds.//2.2E-78/        |
| 10  | 1529bp//61%//L01790  |
| ,,, | C-NT2RP1001014   |
|     | C-NT2RP1001395   |
|     | C-NT2RP1001393  C-NT2RP1001410//PUTATIVE GTP-BINDING PROTEIN W08E3.3.//8.9E-141//396aa//67%//P91917        |
|     | C-NT2RP1001410//PUTATIVE GTP-BINDING PROTEIN W06E3.3.//6.9E-141//396aa//67/%//P91917                       |
| 15  |  |
| 15  | C-NT2RP1001449   |
|     | C-NT2RP1001457//Homo sapiens partial mRNA for beta-transducin family protein (putative).//1.2E-137//629bp/ |
|     | 100%//AJ005257   |
|     | C-NT2RP1001466   |
|     | C-NT2RP1001475   |
| 20  | C-NT2RP1001482   |
|     | C-NT2RP1001494//MALE STERILITY PROTEIN 2.//7.2E-40//261aa//27%//Q08891                                     |
|     | C-NT2RP1001543//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS).//1.6E-166//506aa//60%/               |
|     | P42803   |
|     | C-NT2RP1001546//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-                   |
| 25  | OPROTEIN SFA-1) (CD151 ANTIGEN).//1.6E-30//232aa//30%//035566  |
|     | C-NT2RP1001569//SIGNAL RECOGNITION PARTICLE RECEPTOR BETA SUBUNIT (SR-BETA).//5.8E-121/.                   |
|     | 271aa//89%//P47758   |
|     | C-NT2RP1001616   |
|     | C-NT2RP1001665//CALMODULIN.//0.0000051//83aa//30%//P02594  |
| 30  | C-NT2RP2000006//DNAJ PROTEIN (40 KD HEAT SHOCK CHAPERONE PROTEIN) (HSP40).//9.8E-17//79aa/.                |
|     | 55%//O34136  |
|     | C-NT2RP2000007   |
|     | C-NT2RP2000008//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//2.4E-177//726aa//47%/                  |
|     | P51523   |
| 35  | C-NT2RP2000032//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP1).//1.8E-22//184aa//                 |
|     | 34%//Q01730  |
|     | C-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds.//    |
|     | 0//1390bp//98%//AF061749   |
|     | C-NT2RP2000054   |
| 40  | C-NT2RP2000056//PROTEIN-TYROSINE PHOSPHATASE EPSILON PRECURSOR (EC 3.1.3.48) (R-PTP- EP-                   |
|     | SILON).//9.4E-16//45aa//100%//P49446   |
|     | C-NT2RP2000067   |
|     | C-NT2RP2000070//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN).//3.4E-51/                       |
|     | 383aa//32%//P33450   |
| 45  | C-NT2RP2000079   |
|     | C-NT2RP2000088//Homo sapiens mRNA for KIAA0795 protein, partial cds.//0//2286bp//100%//AB018338            |
|     | C-NT2RP2000091   |
|     | C-NT2RP2000097   |
|     |  |
| 50  | C-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds.//0//2244bp//99%//AB018356                |
| 50  | C-NT2RP2000120   |
|     | C-NT2RP2000126//POSSIBLE GLOBAL TRANSCRIPTION ACTIVATOR SNF2L.//2.5E-117//541aa//42%/                      |
|     | P41877   |
|     | C-NT2RP2000133//Homo sapiens mRNA for KIAA0989 protein, partial cds.//0//2286bp//99%//AB023206             |
|     | C-NT2RP2000147//CLATHRIN COAT ASSEMBLY PROTEIN AP47 (CLATHRIN COAT ASSOCIATED PROTEIN                      |
| 55  | AP47) (GOLGI ADAPTOR AP-1-47 KD PROTEIN) (HA1 47 KD SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN                    |
|     | ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN).//4.4E-226//423aa//99%//P35585                                    |

C-NT2RP2000153//GAR2 PROTEIN.//9.8E-23//311aa//28%//P41891 C-NT2RP2000157//MLO2 PROTEIN.//2.6E-11//62aa//40%//Q09329

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C-NT2RP2000161//Homo sapiens mRNA for KIAA1008 protein, complete cds.//3.4e-315//1430bp//99%//
        AB023225
        C-NT2RP2000173
        C-NT2RP2000175
        C-NT2RP2000195
        C-NT2RP2000205
        C-NT2RP2000208//Homo sapiens mRNA for KIAA0892 protein, partial cds.//0//2898bp//99%//AB020699
        C-NT2RP2000224//INSULIN RECEPTOR SUBSTRATE-1 (IRS1).//0.000043//103aa//28%//P35568
        C-NT2RP2000232
10
        C-NT2RP2000233
        C-NT2RP2000239
        C-NT2RP2000248//UDP-N-ACETYLGLUCOSAMINE--PEPTIDE N-ACETYLGLUCOSAMINYLTRANSFERASE
        110 KD SUBUNIT (EC 2.4.1.-) (O-GLCNAC TRANSFERASE P110 SUBUNIT).//3.4E-21//210aa//33%//P56558
        C-NT2RP2000270
        C-NT2RP2000274
        C-NT2RP2000283
        C-NT2RP2000288//HYPOTHETICAL 111.9 KD PROTEIN C22H10.03C IN CHROMOSOME I.//1.6E-27//576aa//
        25%//Q10297
        C-NT2RP2000297//ZINC FINGER PROTEIN 184 (FRAGMENT).//3.3E-186//256aa//60%//Q99676
20
        C-NT2RP2000298
        C-NT2RP2000310//Human proline-dehydrogenase/proline oxidase (PRODH) mRNA, complete cds.//4.3E-279//
        1193bp//99%//U82381
        C-NT2RP2000328
        C-NT2RP2000329//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3),//2E-111//
25
        226aa//92%//P08760
        C-NT2RP2000346//MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD116.//6.3E-115//
        674aa//46%//P17564
        C-NT2RP2000369
        C-NT2RP2000412
30
        C-NT2RP2000414//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN F (HNRNP F).//4.3E-228//415aa//
        100%//P52597
        C-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//0//1757bp//
        99%//AF102265
        C-NT2RP2000438
35
        C-NT2RP2000448//KES1 PROTEIN.//8.7E-54//392aa//38%//P35844
        C-NT2RP2000503
        C-NT2RP2000510
        C-NT2RP2000516
        C-NT2RP2000603
40
        C-NT2RP2000617
        C-NT2RP2000634//Homo sapiens mRNA for KIAA0614 protein, partial cds.//0//2482bp//99%//AB014514
        C-NT2RP2000656
        C-NT2RP2000658
        C-NT2RP2000668//SERINE/THREONINE PROTEIN KINASE PKPA (EC 2.7.1.-).//1.3E-27//349aa//32%//Q01577
45
        C-NT2RP2000704
        C-NT2RP2000710//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE)//2.7E-100//
        488aa//44%//O32038
        C-NT2RP2000764//NIFS PROTEIN.//6.6E-36//252aa//42%//P12623
        C-NT2RP2000809//Homo sapiens mRNA for KIAA0873 protein, partial cds.//0//3347bp//99%//AB020680
50
        C-NT2RP2000812//DILUTE MYOSIN HEAVY CHAIN, NON-MUSCLE (MYOSIN 5A),//0.000000056//179aa//
        29%//Q99104
        C-NT2RP2000814//GELATION FACTOR (ACTIN BINDING PROTEIN 120) (ABP-120).//0.00000011//96aa//29%//
        C-NT2RP2000816//MAGNESIUM-CHELATASE 30 KD SUBUNIT.//0.000000079//172aa//28%//P26174
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        C-NT2RP2000819
        C-NT2RP2000841
        C-NT2RP2000845
        C-NT2RP2000863
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203aa//27%//P29764

C-NT2RP2000880//PROBABLE TRANSLATION INITIATION FACTOR IF-2.//0//694aa//99%//060841 C-NT2RP2000892 C-NT2RP2000931//MATRIN 3.//2.4E-289//467aa//95%//P43244 C-NT2RP2000932//Homo sapiens mRNA; cDNA DKFZp5640043 (from clone DKFZp5640043).//0//2487bp//99%// AL050390 C-NT2RP2000938 C-NT2RP2000943//Homo sapiens mRNA for KIAA0755 protein, complete cds.//0//3458bp//99%//AB018298 C-NT2RP2000965//Homo sapiens mRNA for fls353, complete cds.//0//1989bp//96%//AB024704 C-NT2RP2000985 C-NT2RP2001036 C-NT2RP2001044 C-NT2RP2001056//Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488.//0//2749bp//99%// AB007957 C-NT2RP2001065 C-NT2RP2001070//PUTATIVE PYRIDOXAMINE 5'-PHOSPHATE OXIDASE (EC 1.4.3.5) (PNP/PMP OXIDASE),// 5.8E-46//222aa//45%//Q20939 C-NT2RP2001081//SYNAPTOTAGMIN IV.//4.2E-118//430aa//54%//P50232 C-NT2RP2001094 C-NT2RP2001119 C-NT2RP2001127//Homo sapiens mRNA for PLU-1 protein.//0//2514bp//99%//AJ132440 C-NT2RP2001218 C-NT2RP2001245//MYOSIN HEAVY CHAIN, NONMUSCLE (CELLULAR MYOSIN HEAVY CHAIN) (NMMHC).// 2.2E-10//366aa//28%//P14105 C-NT2RP2001381 C-NT2RP2001397//Homo sapiens mRNA; cDNA DKFZp434B174 (from clone DKFZp434B174).//0//1495bp// 100%//AL080146 C-NT2RP2001427 C-NT2RP2001601//Homo sapiens mRNA for KIAA0797 protein, partial cds.//0//1748bp//99%//AB018340 C-NT2RP2001675 C-NT2RP2001721 C-NT2RP2001907 C-NT2RP2001969 C-NT2RP2001976//Mus musculus calmodulin-binding protein SHA1 (Sha1) mRNA, complete cds.//4.7E-177// 1538bp//74%//AF062378 C-NT2RP2002046 C-NT2RP2002154 C-NT2RP2002208 C-NT2RP2002270//AF-9 PROTEIN.//0.00000012//74aa//36%//P42568 C-NT2RP2002312//Homo sapiens mRNA for CDS2 protein.//0//2333bp//99%//Y16521 C-NT2RP2002325//Homo sapiens mRNA for Pex11p, complete cds.//8.4E-254//1158bp//99%//AB015594 C-NT2RP2002385//Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds.//4.3E-240// 1105bp//99%//AF038958 C-NT2RP2002426 C-NT2RP2002479//Homo sapiens mRNA for ABC transporter 7 protein, complete cds.//0//2180bp//99%// AB005289 C-NT2RP2002537//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X.//6.2E-19//288aa//26%// Q11073 C-NT2RP2002595//PROBABLE CALCIUM-BINDING PROTEIN ALG-2 (PMP41) (ALG-257).//7.5E-35//181aa// C-NT2RP2002618//PROTEIN ARGININE N-METHYLTRANSFERASE 2 (EC 2.1.1.-).//1.7E-51//326aa//38%// P55345 C-NT2RP2002621 C-NT2RP2002672 C-NT2RP2002701//HYPOTHETICAL 38.1 KD PROTEIN C2F12.15C IN CHROMOSOME II.//1.9E-14//210aa// 30%//014345 C-NT2RP2002769

C-NT2RP2002862//60S ACIDIC RIBOSOMAL PROTEIN P0 (LIGHT-INDUCED 34 KD PROTEIN).//8.8E-10//

- C-NT2RP2002928//Homo sapiens pre-mRNA splicing factor (PRP17) mRNA, complete cds.//1.9E-136//623bp// 100%//AF038392
- C-NT2RP2002954
- C-NT2RP2002959//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN- PROTEIN
- LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2).//4.6E-80//147aa//100%//P51669 C-NT2RP2002980//30S RIBOSOMAL PROTEIN \$10.//0.00000001//98aa//36%//P10129
  - C-NT2RP2002986//Homo sapiens mRNA for Kelch motif containing protein, complete cds.//0//2209bp//99%// AB026190
  - C-NT2RP2003108
- 10 C-NT2RP2003117
  - C-NT2RP2003121//Mus musculus enhancer of polycomb (Epc1) mRNA, complete eds.//2.3E-82//642bp//68%// AF079765
  - C-NT2RP2003125//RING CANAL PROTEIN (KELCH PROTEIN).//2.4E-38//539aa//25%//004652
  - C-NT2RP2003177
- 15 C-NT2RP2003194
  - C-NT2RP2003265//Homo sapiens CGI-53 protein mRNA, complete cds.//0//1580bp//99%//AF151811 C-NT2RP2003295//Homo sapiens RMP mRNA for RPB5 meidating protein, complete cds.//0//1526bp//99%// AB006572
  - C-NT2RP2003329//PUTATIVE ADENYLATE CYCLASE REGULATORY PROTEIN.//3.6E-14//332aa//32%//
- 20 P26337
  - C-NT2RP2003367
  - C-NT2RP2003433//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.//5E-131//269aa//91%//P38378 C-NT2RP2003446
  - C-NT2RP2003533
- 25 C-NT2RP2003543//HYPOTHETICAL TRNA/RRNA METHYLTRANSFERASE SLR1673 (EC 2.1.1.-).//1.7E-17// 148aa//34%//P74261
  - C-NT2RP2003596
  - C-NT2RP2003629
  - C-NT2RP2003687
- 30 C-NT2RP2003714//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//5.4E-29//85aa//72%//
  - C-NT2RP2003737//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2).//1.7E-75//147aa//93%//P51669 C-NT2RP2003793
- 35 C-NT2RP2003952//AMINOPEPTIDASE B (EC 3.4.11.6) (ARGINYL AMINOPEPTIDASE) (ARGININE AMI-NOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV) (AP-B),//1.5E-23//200aa//30%//O09175 C-NT2RP2003986
  - C-NT2RP2004042
  - C-NT2RP2004316//Homo sapiens chromosome 1 clone J549L20, WORKING DRAFT SEQUENCE, in unordered pieces.//8.2E-202//926bp//100%//AL096820
  - C-NT2RP2004389//PROBABLE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN S9 PRECURSOR.//9.3E-15// 126aa//39%//P38120
  - C-NT2RP2004392//MNN4 PROTEIN.//1.4E-11//143aa//27%//P36044
  - C-NT2RP2004463
- 45 C-NT2RP2004602

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- C-NT2RP2004614//Homo sapiens mRNA for KIAA0922 protein, partial cds.//0//2040bp//99%//AB023139
- C-NT2RP2004655//Homo sapiens mRNA for leucine rich protein.//8.5E-233//1061bp//99%//AJ006291
- C-NT2RP2004689/HYPOTHETICAL 192.5 KD PROTEIN C6G9.10C IN CHROMOSOME I.//5.6E-64//616aa// 33%//Q92355
- 50 C-NT2RP2004791//PUTATIVE LEUCYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.4) (LEUCINE-- TRNA LIGASE) (LEURS).//9.5E-73//153aa//59%//Q10490
  - C-NT2RP2004799//PROBABLE SUCCINYL-COA LIGASE [GDP-FORMING], BETA-CHAIN PRECURSOR (EC 6.2.1.4) (SUCCINYL-COA SYNTHETASE, BETA CHAIN) (SCS-BETA).//3.7E-135//414aa//62%//P53588 C-NT2RP2004802
- 55 C-NT2RP2004841
  - C-NT2RP2004936
  - C-NT2RP2004959//P54 PROTEIN PRECURSOR.//0.00000095//297aa//20%//P13692
  - C-NT2RP2004999

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C-NT2RP2005000
        C-NT2RP2005001//Homo sapiens mRNA for KIAA0615 protein, complete cds.//0//l694bp//99%//AB014515
        C-NT2RP2005012//Homo sapiens mRNA for SEC63 protein.//0//1693bp//99%//AJ011779
        C-NT2RP2005037//ANTI-SILENCING PROTEIN 1.//3.3E-47//155aa//59%//P32447
5
        C-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein),//0//2388bp//98%//
        X98743
        C-NT2RP2005140
        C-NT2RP2005147
        C-NT2RP2005159
        C-NT2RP2005239//Homo sapiens cysteine desulfurase (nifS) mRNA, complete cds.//0//2087bp//99%//AF097025
10
        C-NT2RP2005270
        C-NT2RP2005276//Homo sapiens mRNA for Acyl-CoA synthetase 3, complete cds.//0//2122bp//99%//D89053
        C-NT2RP2005293
        C-NT2RP2005315//Homo sapiens mRNA for KIAA0676 protein, partial cds.//0//1515bp//99%//AB014576
15
        C-NT2RP2005358//Homo sapiens methyl-CpG binding domain-containing protein MBD3 (MBD3) mRNA, com-
        plete cds.//0//2199bp//99%//AF072247
        C-NT2RP2005393//AUTOANTIGEN NGP-1.//7.2E-39//224aa//35%//Q13823
        C-NT2RP2005436//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR
        SRP75).//1.2E-13//185aa//38%//Q08170
        C-NT2RP2005441
20
        C-NT2RP2005453
        C-NT2RP2005464
        C-NT2RP2005465//MITOCHONDRIAL CARRIER PROTEIN RIM2.//3E-44//252aa//41%//P38127
        C-NT2RP2005472
25
        C-NT2RP2005495
        C-NT2RP2005498//PROTEIN PHOSPHATASE PP2A, 55 KD REGULATORY SUBUNIT, ALPHA ISOFORM (PRO-
        TEIN PHOSPHATASE PP2A B SUBUNIT ALPHA ISOFORM) (ALPHA-PR55),//5.2E-81//166aa//88%//P36876
        C-NT2RP2005509//Homo sapiens CGI-45 protein mRNA, complete cds.//0//1825bp//99%//AF151803
        C-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//0//
30
        3994bp//99%//AF092563
        C-NT2RP2005525//Mus musculus kanadaptin mRNA, complete cds.//2.4E-304//1687bp//85%//AF035526
        C-NT2RP2005540//Homo sapiens mRNA for KIAA0494 protein, complete cds.//0//2856bp//99%//AB007963
        C-NT2RP2005549//PUTATIVE LACTOYLGLUTATHIONE LYASE (EC 4.4.1.5) (METHYLGLYOXALASE) (AL-
        DOKETOMUTASE) (GLYOXALASE I) (GLX I) (KETONE-ALDEHYDE MUTASE) (S-D-LACTOYLGLUTATHIONE
35
        METHYLGLYOXAL LYASE).//2E-20//181aa//36%//Q39366
        C-NT2RP2005555
        C-NT2RP2005557//Homo sapiens clone 486790 diphosphoinositol polyphosphate phosphohydrolase mRNA,
        complete cds.//1E-46//576bp//70%//AF062529
        C-NT2RP2005620//Homo sapiens epsin 2a mRNA, complete cds.//8.9e-313//1455bp//98%//AF062085
40
        C-NT2RP2005622
        C-NT2RP2005635//PROBABLE NH(3)-DEPENDENT NAD(*) SYNTHETASE (EC 6.3.5.1),//1E-11//128aa//36%//
        P47623
        C-NT2RP2005637
        C-NT2RP2005640
45
        C-NT2RP2005654//CYSTEINE STRING PROTEIN (CCCS1).//1.2E-13//74aa//45%//P56I01
        C-NT2RP2005669//Homo sapiens mRNA for DEDD protein.//3.9E-209//957bp//99%//AJ010973
        C-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds.//4.4E-200//908bp//
        99%//AF089814
        C-NT2RP2005683
50
        C-NT2RP2005690
        C-NT2RP2005712//Homo sapiens mRNA for KIAA0799 protein, partial cds.//0//1684bp//99%//AB018342
        C-NT2RP2005723//HNRNP ARGININE N-METHYLTRANSFERASE (EC 2.1.1.-) (ODP1 PROTEIN).//
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C-NT2RP2005748

C-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds.//0//1968bp//99%//
AF068868

C-NT2RP2005753//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//0//1966bp//99%//
AF082516

0.000000003//169aa//28%//P38074

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C-NT2RP2005763//EUKARYOTIC INITIATION FACTOR 4A (EIF-4A).//1.7E-61//374aa//38%//P47943 C-NT2RP2005767//G.gallus PB1 gene.//5E-163//1158bp//81%//X90849 C-NT2RP2005773//Homo sapiens pyrroline 5-carboxylate reductase isoform (P5CR2) mRNA, complete cds.// 2.7E-180//656bp//99%//AF151351 5 C-NT2RP2005775//NEUROLYSIN PRECURSOR (EC 3.4.24.16) (NEUROTENSIN ENDOPEPTIDASE) (MITO-CHONDRIAL OLIGOPEPTIDASE M) (MICROSOMAL ENDOPEPTIDASE) (MEP) (SOLUBLE ANGIOTENSIN-BINDING PROTEIN) (SABP).//2.1E-213//249aa//85%//Q02038 C-NT2RP2005781 C-NT2RP2005804 10 C-NT2RP2005835//SHP1 PROTEIN.//1.8E-28//208aa//32%//P34223 C-NT2RP2005853 C-NT2RP2005868 C-NT2RP2005886 C-NT2RP2005890 15 C-NT2RP2005901//Homo sapiens mRNA for KIAA0971 protein, complete cds.//0//1977bp//99%//AB023188 C-NT2RP2005933//NUCLEOPORIN NUP57 (NUCLEAR PORE PROTEIN NUP57).//5E-11//155aa//34%//P48837 C-NT2RP2006038 C-NT2RP2006043//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//1.5E-13//185aa//38%//Q08170 C-NT2RP2006052 20 C-NT2RP2006069 C-NT2RP2006071 C-NT2RP2006100//Homo sapiens mRNA; cDNA DKFZp564B102 (from clone DKFZp564B102).//0//1759bp// 99%//AL049970 25 C-NT2RP2006106 C-NT2RP2006141 C-NT2RP2006186//Homo sapiens mRNA for KIAA0654 protein, partial cds.//3.3E-189//899bp//97%//AB014554 C-NT2RP2006196 C-NT2RP2006200 30 C-NT2RP2006219//H.sapiens mRNA for DGCR6 protein.//1.1E-214//1026bp//97%//X96484 C-NT2RP2006237 C-NT2RP2006238 C-NT2RP2006275//MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: LIGHT CHAIN LC1].//2E-59// 388aa//32%//P46821 35 C-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds.//2.8E-274//1236bp//99%//AF035262 C-NT2RP2006333 C-NT2RP2006365 C-NT2RP2006393 C-NT2RP2006436//ANTERIOR-RESTRICTED HOMEOBOX PROTEIN (RATHKE POUCH HOMEO BOX),// 0.00000034//50aa//50%//Q61658 C-NT2RP2006456 C-NT2RP2006464//Homo sapiens mRNA for AND-1 protein.//0//2181bp//99%//AJ006266 C-NT2RP2006467 C-NT2RP2006472 45 C-NT2RP2006565//Sus scrofa mRNA for SCAMPI protein.//0//1276bp//84%//Y15710 C-NT2RP2006571//CYTOCHROME P450 2G1 (EC 1.14.14.1) (CYPIIG1) (P450-NMB) (OLFACTIVE).//4.2E-134// 486aa//50%//P24461 C-NT2RP2006573//2',3'-CYCLIC NUCLEOTIDE 3'-PHOSPHODIESTERASE (EC 3.1.4.37) (CNP).//0.0000055// 169aa//25%//P09543 50 C-NT2RP3000031//Homo sapiens mRNA for KIAA0901 protein, complete cds.//0//2547bp//99%//AB020708 C-NT2RP3000142//Homo sapiens mRNA for KIAA0592 protein, partial cds.//0//1404bp//97%//AB011164 C-NT2RP3000220 C-NT2RP3000251 55 C-NT2RP3000252//Homo sapiens GTP-binding protein NGB mRNA, complete cds.//0//2388bp//99%//AF120334

C-NT2RP3000320//Homo sapiens partial mRNA for putative p621 protein which interacts with transcription factor

C-NT2RP3000312

Sp1.//0//1544bp//100%//AJ242978

```
C-NT2RP3000333
        C-NT2RP3000348
        C-NT2RP3000350//PROBABLE GTP-BINDING PROTEIN
        HP0303.//0.000000028//185aa//31%//O25074
        C-NT2RP3000359//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3).//2E-111//
5
        226aa//92%//P08760
        C-NT2RP3000361//Homo sapiens mRNA, complete cds, similar to yeast pre-mRNA splicing factors, Prp1/Zer1
        and Prp6.//0//2072bp//98%//AB019219
        C-NT2RP3000366//RAS-RELATED PROTEIN RAB-18.//2.1E-107//206aa//99%//P35293
        C-NT2RP3000397//PUTATIVE PRE-MRNA SPLICING FACTOR RNA HELICASE (DEAH BOX PROTEIN 13)//
10
        1.7E-139//679aa//41%//O43143
        C-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds.//0//2364bp//99%//AF071185
        C-NT2RP3000484
        C-NT2RP3000527//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//4.8E-28//536aa//27%//P28160
        C-NT2RP3000531//POLIOVIRUS RECEPTOR PRECURSOR (CD155 ANTIGEN).//1.9E-12//192aa//30%//
15
        P15151
        C-NT2RP3000596/TRICHOHYALIN.//2.5E-17//304aa//28%//Q07283
        C-NT2RP3000599
        C-NT2RP3000632//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//3E-140//499aa//46%//P51523
20
        C-NT2RP3000644
        C-NT2RP3000661
        C-NT2RP3000665
        C-NT2RP3000690
        C-NT2RP3000759//ADP-RIBOSYLATION FACTOR.//7E-28//176aa//34%//Q94650
25
        C-NT2RP3000825//NEUROGENIC LOCUS NOTCH 3 PROTEIN.//2.5E-36//417aa//31%//Q61982
        C-NT2RP3000836
        C-NT2RP3000841
        C-NT2RP3000850
        C-NT2RP3000852
30
        C-NT2RP3000859
        C-NT2RP3000868//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete
        cds.//6.9E-69//1611bp//61%//U53445
        C-NT2RP3000869
        C-NT2RP3000901
35
        C-NT2RP3000917//Homo sapiens Dhm1-like protein mRNA, complete cds.//0//3199bp//99%//AF064257
        C-NT2RP3000919//Rattus norvegicus golgi peripheral membrane protein p65 (GRASP65) mRNA, complete cds.//
        2.7E-185//585bp//88%//AF015264
        C-NT2RP3000980
        C-NT2RP3000994//MATERNAL EFFECT PROTEIN
40
        STAUFEN.//0.00000006//78aa//48%//P25159
        C-NT2RP3001004
        C-NT2RP3001081
        C-NT2RP3001084
        C-NT2RP3001096//Rattus norvegicus leprecan (lepre1) mRNA, complete cds.//1.7E-94//787bp//66%//AF087433
45
        C-NT2RP3001107//PEREGRIN (BR140 PROTEIN).//3E-44//260aa//40%//P55201
        C-NT2RP3001109
        C-NT2RP3001116
        C-NT2RP3001119
        C-NT2RP3001133
50
        C-NT2RP3001140//Homo sapiens mRNA for KIAA0762 protein, partial cds.//0//2802bp//99%//AB018305
        C-NT2RP3001155//Homo sapiens mRNA for AND-1 protein.//0//2732bp//99%//AJ006266
        C-NT2RP3001176//HYPOTHETICAL 65.3 KD PROTEIN IN MAD1-SCY1 INTERGENIC REGION.//1.7E-10//
        196aa//27%//P53154
        C-NT2RP3001214
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C-NT2RP3001216//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE I) (FRAGMENT).//0.0000023//137aa//33%//

C-NT2RP3001221//GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1) (GAMMA-

BUTYROBETAINE HYDROXYLASE).//1.9E-31//353aa//30%//P80193

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|     | C-NT2RP3001236  |
|-----|---|
|     | C-NT2RP3001239//MICROTUBULE-ASSOCIATED PROTEIN 1B (MAP1.2) (MAP1(X)) [CONTAINS: LIGHT   |
|     | CHAIN LC1].//1.2E-166//395aa//51%//P14873   |
|     | C-NT2RP3001260//Homo sapiens mRNA for KIAA0911 protein, complete cds.//0//2497bp//99%//AB020718   |
| 5   | C-NT2RP3001307  |
|     | C-NT2RP3001325  |
|     | C-NT2RP3001384//Homo sapiens NAKAP95 mRNA for neighbor of A-kinase anchoring protein 95, complete cds.//  |
|     | 0//1213bp//99%//AB025905  |
|     | C-NT2RP3001392  |
| 10  | C-NT2RP3001396  |
|     | C-NT2RP3001398//TRANSCRIPTIONAL REPRESSOR CTCF.//1.3E-61//374aa//36%//P49711  |
|     | C-NT2RP3001407//SCY1 PROTEIN.//0.00000033//143aa//25%//P53009   |
|     | C-NT2RP3001420  |
| 4.5 | C-NT2RP3001426//DNAJ PROTEIN (FRAGMENT).//1E-16//77aa//46%//O33529  |
| 15  | C-NT2RP3001427//WERNER SYNDROME HELICASE HOMOLOG.//2.7E-10//159aa//33%//O09053  |
|     | C-NT2RP3001457 C-NT2RP3001472//NONHISTONE CHROMOSOMAL PROTEIN 6A.//9.1E-13//87aa//43%//P11632   |
|     | C-NT2RP3001495//Human oxidoreductase (HHCMA56) mRNA, complete cds.//0//1475bp//99%//U13395  |
|     | C-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds.//  |
| 20  | 0//2295bp//99%//AF064801  |
| 20  | C-NT2RP3001529//SPO0B-ASSOCIATED GTP-BINDING PROTEIN.//1E-61//345aa//42%//P20964  |
|     | C-NT2RP3001621  |
|     | C-NT2RP3001629  |
|     | C-NT2RP3001642//HYPOTHETICAL PROTEIN KIAA0210.//6.8E-18//91aa//38%//Q92609  |
| 25  | C-NT2RP3001646//WD-40 REPEAT PROTEIN MSI2.//8.8E-09//132aa//31%//O22468   |
|     | C-NT2RP3001676  |
|     | C-NT2RP3001679  |
|     | C-NT2RP3001799//MYOSIN HEAVY CHAIN, STRIATED MUSCLE.//1.6E-11//348aa//27%//P24733   |
|     | C-NT2RP3001819//RING CANAL PROTEIN (KELCH PROTEIN).//7.4E-18//249aa//30%//Q04652  |
| 30  | C-NT2RP3001896  |
|     | C-NT2RP3001915  |
|     | C-NT2RP3001929  |
|     | C-NT2RP3003193//ZINC FINGER PROTEIN 135.//7.3E-98//269aa//62%//P52742   |
|     | C-NT2RP3004466  |
| 35  | C-NT2RP3004480//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS35.//3.3E-113//466aa//42%//  |
|     | P34110  C NT2PP2004520// long continue mPNA for KIA A0022 protein and in July 1520 by 1/000/ // AP044522  |
|     | C-NT2RP3004539//Homo sapiens mRNA for KIAA0632 protein, partial cds.//0//1520bp//99%//AB014532<br>C-NT2RP3004544//Homo sapiens mRNA for KIAA0554 protein, partial cds.//0//974bp//95%//AB011126   |
|     | C-NT2RP3004569//ANKYRIN, BRAIN VARIANT 1 (ANKYRIN B) (ANKYRIN, NONERYTHROID).//0.00000038//   |
| 40  | 150aa//28%//Q01484  |
|     | C-NT2RP3004572//Homo sapiens cofactor of initiator function (CIF150) mRNA, complete cds.//0//1770bp//99%//  |
|     | AF026445  |
|     | C-NT2RP3004578//Homo sapiens mRNA for KIAA0477 protein, complete cds.//0//1639bp//99%//AB007946   |
|     | C-NT2RP3004594//Homo sapiens mRNA for AND-1 protein.//0//1807bp//99%//AJ006266  |
| 45  | C-NT2RP3004617//ZINC-BINDING PROTEIN A33.//7.2E-75//464aa//35%//Q02084  |
|     | C-NT2RP3004618//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds.//0//3972bp//98%//   |
|     | AF093097  |
|     | C-NT2RP3004669//ETHANOLAMINE KINASE (EC 2.7.1.82) (EASILY SHOCKED PROTEIN).//1.7E-72//254aa//   |
|     | 45%//P54352   |
| 50  | C-NT2RP4000008//CHLORINE CHANNEL PROTEIN P64.//2.6E-98//239aa//64%//P35526  |
|     | C-NT2RP4000051//SYNAPTONEMAL COMPLEX-PROTEIN SC65.//4.9E-51//335aa//37%//Q64375   |
|     | C-NT2RP4000078//Homo sapiens mRNA for KIAA0850 protein, complete cds.//0//3013bp//99%//AB020657   |
|     | C-NT2RP4000109//Homo sapiens mRNA for MEGF5, partial cds.//0//2161bp//99%//AB011538   |
|     | C-NT2RP4000111//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD |
| 55  | KD SUBUNIT).//0//728aa//99%//Q10568   |
|     | C-NT2RP4000129  |
|     | C-NT2RP4000147//Drosophila melanogaster putative ARF1 GTPase activating protein (ARF1-GAP) mRNA, com-   |

plete cds.//3.8E-28//528bp//67%//AF011427

|    | C-NT2RP4000150  |
|----|---|
|    | C-NT2RP4000151  |
|    | C-NT2RP4000159  |
|    | C-NT2RP4000185  |
| 5  | C-NT2RP4000210//Homo sapiens mRNA for KIAA0700 protein, partial cds.//0//4149bp//99%//AB014600 C-NT2RP4000212//ATRIAL GLAND-SPECIFIC ANTIGEN PRECURSOR (AGSA).//5.9E-15//104aa//40%//P15287   |
| 10 | C-NT2RP4000243//Homo sapiens mRNA for cartilage-associated protein (CASP).//0//1932bp//99%//AJ006470 C-NT2RP4000246//NPC DERIVED PROLINE RICH PROTEIN 1 (NDPP-1).//2.7E-84//208aa//76%//Q03173 C-NT2RP4000259//GLUTATHIONE PEROXIDASE 2 (EC 1.11.1.9).//5.5E-29//153aa//43%//O23968 |
| 70 | C-NT2RP4000290//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I.//3.5E-297//1024aa//<br>55%//P87115   |
|    | C-NT2RP4000312//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE).//1.5E-26//237aa//28%//Q01631   |
| 15 | C-NT2RP4000323//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN).//0.0000003//101aa//<br>32%//P26372   |
|    | C-NT2RP4000355  |
| 20 | C-NT2RP4000360//Homo sapiens mRNA for KIAA0738 protein, complete cds.//0//4074bp//99%//AB018281 C-NT2RP4000367//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds.//0//  |
| 20 | 4782bp//99%//AF044195 C-NT2RP4000370//MITOCHONDRIAL PEPTIDE CHAIN RELEASE FACTOR 1 PRECURSOR (MRF-1).//2.6E-  |
|    | 77//262aa//54%//075570  |
|    | C-NT2RP4000376//Homo sapiens mRNA for phospholipase A2 activating protein.//0//2412bp//99%//AJ238243  |
| 25 | C-NT2RP4000381<br>C-NT2RP4000398//ZINC FINGER PROTEIN 140.//2.9E-110//435aa//50%//P52738  |
| 23 | C-NT2RP4000415  |
|    | C-NT2RP4000417//MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE (EC 3.2.1.113)(MAN(9)-AL-PHA-MANNOSIDASE) (FRAGMENT).//2.6E-51//438aa//33%//P45701   |
|    | C-NT2RP4000448//Homo sapiens mRNA; cDNA DKFZp566G0746 (from clone DKFZp566G0746).//0//3991bp//  |
| 30 | 99%//AL050078   |
|    | C-NT2RP4000449  |
|    | C-NT2RP4000455//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0.//0.0000003//175aa//27%//P09309   |
|    | C-NT2RP4000457//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 15 (EC 3.1.2.15) (UBIQUITIN THI-  |
| 35 | OLESTERASE 15) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 15) (DEUBIQUITINATING ENZYME 15).//  |
| 33 | 2.5E-37//291aa//38%//P50101<br>C-NT2RP4000480   |
|    | C-NT2RP4000481//ATP-DEPENDENT RNA HELICASE DOB1 (MRNA TRANSPORT REGULATOR MTR4).//  |
|    | 1.9E-67//721aa//29%//Q09475   |
|    | C-NT2RP4000498//MOB1 PROTEIN (MPS1 BINDER 1).//8.8E-50//214aa//50%//P40484  |
| 40 | C-NT2RP4000500  |
|    | C-NT2RP4000518//ATP-DEPENDENT RNA HELICASE ROK1.//1.5E-106//495aa//45%//P45818  |
|    | C-NT2RP4000524  |
|    | C-NT2RP4000541  |
|    | C-NT2RP4000556//SUR4 PROTEIN (SRE1 PROTEIN).//7.4E-14//233aa//31%//P40319   |
| 45 | C-NT2RP4000560  |
|    | C-NT2RP4000588  |
|    | C-NT2RP4000614//Homo sapiens TLS-associated protein TASR-2 mRNA, complete cds.//2.9E-188//863bp//   |
|    | 99%//AF067730   |
| 50 | C-NT2RP4000638  |
| 50 | C-NT2RP4000648//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICPO.//0.00000037//175aa//27%//P09309  |
|    | C-NT2RP4000657//SPORE COAT POLYSACCHARIDE BIOSYNTHESIS PROTEIN SPSE.//1.1E-32//350aa//30%//P39625   |
|    | 30%//P39625<br>C-NT2RP4000704   |
|    | U-14121N 7000/U4  |

Q11073
C-NT2RP4000724//RETROVIRUS-RELATED ENV POLYPROTEIN.//3.2E-191//199aa//78%//P10267
C-NT2RP4000728//Homo sapiens mRNA for KIAA0931 protein, partial cds.//0//3392bp//95%//AB023148
C-NT2RP4000737

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C-NT2RP4000713//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X.//1.1E-13//295aa//27%//

- C-NT2RP4000739//Homo sapiens mRNA for KIAA1012 protein, complete cds.//0//3574bp//99%//AB023229 C-NT2RP4000781//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION.// 0.000000032//67aa//31%//P53915
- C-NT2RP4000817//Homo sapiens mRNA for KIAA0470 protein, complete cds.//0//1927bp//99%//AB007939
- 5 C-NT2RP4000833
  - C-NT2RP4000837//Homo sapiens mRNA for zinc finger protein SALL1.//4.3E-94//810bp//65%//Y18265 C-NT2RP4000839//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//8.5E-21//271 aa//28%//Q00808 C-NT2RP4000855//AMINOPEPTIDASE B (EC 3.4.11.6) (ARGINYL AMINOPEPTIDASE)(ARGININE AMINOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV)(AP-B).//5.7E-82//324aa//48%//O09175
- C-NT2RP4000865//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT).//4.1E-85//174aa//55%//P16415
   C-NT2RP4000878//MYELOID UPREGULATED PROTEIN.//6.2E-91//173aa//87%//O35682
   C-NT2RP4000879//UBIQUITIN-ACTIVATING ENZYME E1 (A1S9 PROTEIN).//9.6E-96//513aa//42%//P22314
   C-NT2RP4000925//FIBROMODULIN PRECURSOR (FM) (COLLAGEN-BINDING 59 KD PROTEIN).//2.6E-26//227aa//36%//Q06828
- 15 C-NT2RP4000927//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-ZYME 1).//1.5E-76//346aa//43%//Q61068
  - C-NT2RP4000928//Homo sapiens mRNA for CDS2 protein.//0//2487bp//99%//Y16521
  - C-NT2RP4000929//PUTATIVE ATP-DEPENDENT RNA HELICASE MJ1505.//0.00000014//185aa//25%//Q58900
- 20 C-NT2RP4000955
  - C-NT2RP4000973//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//1.4E-26//90aa//42%//P38660
  - C-NT2RP4000975
  - C-NT2RP4000979
- 25 C-NT2RP4000984
  - C-NT2RP4000989//UNC-47 PROTEIN.//0.0000082//173aa//25%//P34579
  - C-NT2RP4000997//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135).//0//838aa//87%//P70700
  - C-NT2RP4001004//VACUOLAR PROTEIN 8.//3.7E-16//401aa//26%//P39968
- 30 C-NT2RP4001006
  - C-NT2RP4001010//Homo sapiens mRNA for KIAA0964 protein, complete cds.//0//2482bp//99%//AB023181 C-NT2RP4001041//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE)//1.5E-92//443aa//44%//Q09996
  - C-NT2RP4001057
- 35 C-NT2RP4001064//SYNAPTONEMAL COMPLEX PROTEIN SC65.//6.7E-51//335aa//37%//Q64375 C-NT2RP4001079//CALCIUM-TRANSPORTING ATPASE 1 (EC 3.6.1.38) (GOLGI CA2+-ATPASE).//1.3E-123//563aa//46%//P13586
  - C-NT2RP4001080//Homo sapiens mRNA for Rodi, complete cds.//0//1439bp//99%//AB023967 C-NT2RP4001086
- 40 C-NT2RP4001095//DOUBLE-STRANDED RNA-SPECIFIC EDITASE 1 (EC 3.5.-.-) (DSRNA ADENOSINE DEAM-INASE) (RNA EDITING ENZYME 1).//2.6E-17//121aa//36%//P51400 C-NT2RP4001100
  - C-NT2RP4001117//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.//1.9E-115//224aa//100%//P38378
- 45 C-NT2RP4001122//TIPD PROTEIN.//1.4E-65//253aa//41%//O15736
  - C-NT2RP4001126//TRICHOHYALIN.//2.9E-18//380aa//26%//Q07283
  - C-NT2RP4001138
  - C-NT2RP4001143//SUCCINYL-DIAMINOPIMELATE DESUCCINYLASE (EC 3.5.1.18) (SDAP).//0.00000021//93aa//33%//P44514
- 50 C-NT2RP4001148//SOF1 PROTEIN.//1.3E-104//236aa//52%//P33750
  - C-NT2RP4001149
  - C-NT2RP4001150//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO).// 3.4E-29//385aa//29%//P35331
  - C-NT2RP4001174//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).//
    4.7E-29//227aa//35%//P52178
  - C-NT2RP4001206//Drosophila melanogaster strawberry notch (sno) mRNA, complete cds.//4.4E-104//1460bp// 65 %//U95760
    - C-NT2RP4001207

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| $C_{-}$ |  |  |  |  |
|---------|--|--|--|--|

C-NT2RP4001219//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//6.2E-27//90aa//42%//P38660

C-NT2RP4001228//RING CANAL PROTEIN (KELCH PROTEIN).//1.8E-103//508aa//43%//Q04652

5 C-NT2RP4001235

C-NT2RP4001256

C-NT2RP4001260//Homo sapiens mRNA for KIAA0875 protein, partial cds.//0//2876bp//99%//AB020682 C-NT2RP4001274//Human transporter protein (g17) mRNA, complete cds.//4.4E-58//1196bp//61%//U49082 C-NT2RP4001276//TRICHOHYALIN.//7.9E-09//126aa//32-%//Q07283

C-NT2RP4001313//MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM40 (MOM38 PROTEIN) (TRANSLO-CASE OF OUTER MEMBRANE 40 KD SUBUNIT).//5.9E-17//296aa//29%//P24391
C-NT2RP4001315//Bos taurus mRNA for Rab5 GDP/GTP exchange factor, Rabex5.//8.5E-213//1129bp//92%//

AJ001119

C-NT2RP4001339//Homo sapiens mRNA for AMMERC1 protein.//9.2E-160//736bp//99%//AJ007014

15 C-NT2RP4001343

C-NT2RP4001345//Homo sapiens mRNA for LCAT-like lysophospholipase (LLPL), complete cds.//2.7e-310// 1400bp//100%//AB017494

C-NT2RP4001351//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds.//1.4E-58//2425bp//59%//U53445

20 C-NT2RP4001353

25

C-NT2RP4001372//IRREGULAR CHIASM C-ROUGHEST PROTEIN PRECURSOR (IRREC PROTEIN).//1.6E-19//222aa//30%//Q08180

C-NT2RP4001373

C-NT2RP4001375//NON-RECEPTOR TYROSINE KINASE SPORE LYSIS A (EC 2.7.1.112) (TYROSINE- PRO-

TEIN KINASE 1).//9.2E-17//146aa//35%//P18160

C-NT2RP4001379//HYPOTHETICAL 49.1 KD PROTEIN C11D3.06 IN CHROMOSOME I.//2E-53//436aa//30%//Q10085

C-NT2RP4001407//Homo sapiens mRNA for KIAA0923 protein, complete cds.//0//2716bp//99%//AB023140 C-NT2RP4001414//SEPTIN 2 HOMOLOG (FRAGMENT).//7.7E-190//422aa//82%//Q14141

30 C-NT2RP4001433//ZINC FINGER PROTEIN 184 (FRAGMENT).//1.2E-138//419aa//54%//Q99676 C-NT2RP4001474//Xenopus laevis putative Zic3 binding protein mRNA, complete cds.//2.7E-66//738bp//71%//AF129131

C-NT2RP4001483//2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT PRECURSOR (EC 1.2.4.2) (ALPHA-KETOGLUTARATE DEHYDROGENASE).//0//962aa//78%//Q02218

35 C-NT2RP4001498//ANKYRIN REPEAT-CONTAINING PROTEIN AKR1.//1E-27//374aa//29%//P39010 C-NT2RP4001502

C-NT2RP4001507

C-NT2RP4001524

C-NT2RP4001547//HYPOTHETICAL 45.0 KD PROTEIN IN NOT1/CDC39-HMR INTERGENIC REGION.//5.7E-

40 54//242aa//3 8%//P25656

C-NT2RP4001551//Homo sapiens chromatin-specific transcription elongation factor FACT 140 kDa subunit mR-NA, complete cds.//0//3202bp//99%//AF152961

C-NT2RP4001555//PUTATIVE ENDONUCLEASE VIII (EC 3.2.-.-).//4.7E-09//216aa//24%//P96902

C-NT2RP4001567//ARMADILLO SEGMENT POLARITY PROTEIN.//0.00000054//213aa//26,%//Q02453

45 C-NT2RP4001568//ZINC FINGER PROTEIN GCS1.//1.8E-10//109aa//36%//P35197

C-NT2RP4001571

C-NT2RP4001574//Homo sapiens coat protein gamma-cop mRNA, complete cds.//0//3046bp//99%//AF100756 C-NT2RP4001575//Rattus norvegicus mRNA for ARE1 protein.//0//1087bp//87%//AJ223830

C-NT2RP4001592//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS).//

50 1.7E-141//373aa//47%//P73505

C-NT2RP4001610//Homo sapiens mRNA for KIAA0869 protein, partial cds.//0//1897bp//99%//AB020676 C-NT2RP4001614

C-NT2RP4001634

C-NT2RP4001638//DNA REPAIR/TRANSCRIPTION PROTEIN MET18/MMS19.//5.1E-46//234aa//32%//P40469

55 C-NT2RP4001644//MYOSIN LIGHT CHAIN KINASE (EC 2.7.1.117) (MLCK).//6.4E-19//111aa//45%//P25323 C-NT2RP4001677

C-NT2RP4001679

C-NT2RP4001696//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF

- 100 KD SUBUNIT).//4E-10//243aa//25%//Q10568
- C-NT2RP4001725//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT.//3E-10//128aa//32%//Q10282
- C-NT2RP4001730//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-)
- 5 (DUGT).//6.4E-170//1168aa//33%//Q09332
  - C-NT2RP4001739
  - C-NT2RP4001753//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//3.9E-236//665aa//58%//P51523
  - C-NT2RP4001760//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-
- CIOGENITAL DYSPLASIA PROTEIN).//4.1E-16//263aa//27%//P98174
  C-NT2RP4001790//Homo sapiens mRNA for KIAA1015 protein, complete cds.//0//3144bp//99%//AB023232
  C-NT2RP4001803
  - C-NT2RP4001822//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-OPROTEIN SFA-1) (CD151 ANTIGEN).//1.2E-30//241aa//30%//O35566
- 15 C-NT2RP4001823//MICROFIBRIL-ASSOCIATED GLYCOPROTEIN 4.//1.1E-19//77aa//54%//P55083 C-NT2RP4001828
  - C-NT2RP4001838//Homo sapiens CoREST protein (COREST) mRNA, complete cds.//6.3E-99//555.bp//73%// AF155595
  - C-NT2RP4001861//TRICHOHYALEN.//1E-35//307aa//34%//P37709
- 20 C-NT2RP4001893//Homo sapiens mRNA; cDNA DKFZp5640043 (from clone DKFZp5640043).//0//1306bp//98%// AL050390
  - C-NT2RP4001896//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E1.//0.000000014//345aa//25%//Q00808 C-NT2RP4001901
  - C-NT2RP4001927//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//1.3E-38//258aa//32%//Q12024
- C-NT2RP400193 8//TRANSCRIPTIONAL REPRESSOR CTCF.//9.8E-60//303aa//38%//P49711
  C-NT2RP4001946//PROTEIN-L-ISOASPARTATE O-METHYLTRANSFERASE (EC 2.1.1.77) (PROTEIN- BETA-ASPARTATE METHYLTRANSFERASE) (PIMT) (PROTEIN L-ISOASPARTYL METHYLTRANSFERASE) (L-ISOASPARTYL PROTEIN CARBOXYL METHYLTRANSFERASE).//1.5E-13//211aa//28%//Q43209
  C-NT2RP4001950//GLUTAMIC ACID-RICH PROTEIN PRECURSOR.//1.2E-13//356aa//27%//P13816
- 30 C-NT2RP4001953
  - C-NT2RP4001966
  - C-NT2RP4001975
  - C-NT2RP4002018//RING CANAL PROTEIN (KELCH PROTEIN).//6.9E-24//370aa//27%//Q04652 C-NT2RP4002052
- 35 C-NT2RP4002058//PUTATIVE PRE-MRNA SPLICING FACTOR RNA HELICASE (DEAH BOX PROTEIN 13)//1E-137//679aa//40%//O43143
  - C-NT2RP4002071
  - C-NT2RP4002078//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//3E-150//722aa// 39%//Q05481
- 40 C-NT2RP4002081//TRANSCRIPTION INITIATION FACTOR IIA ALPHA AND BETA CHAINS (TFIIA P35 AND P19 SUBUNITS) (TFIIA-42) (TFIIAL).//0.0000067//250aa//31%//P52655
  C-NT2RP4002298
  - C-NT2RP4002408//PROTEIN KINASE CEK1 (EC 2.7.1.-).//1.5E-63//159aa//53%//P38938 C-NT2RP4002791
- 45 C-NT2RP4002888//Homo sapiens mRNA; cDNA DKFZp434FI 72 (from clone DKFZp434F172).//0//2557bp//99%// AL080202
  - C-NT2RP4002905
  - C-NT2RP5003461//RLR1 PROTEIN.//9.7E-22//177aa//27%//P53552
  - C-NT2RP5003477//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//5.5E-15//280aa//27%//Q00808
- 50 C-NT2RP5003492
  - C-NT2RP5003500
  - C-NT2RP5003506
  - C-NT2RP5003522//NADPH-CYTOCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR).//3.3E-23//219aa//40%//P37116
- 55 C-NT2RP5003524
  - C-NT2RP5003534
  - C-OVARC1000006//HISTONE H2A.1.//1.1E-55//117aa//99%//P02262
  - C-OVARC1000013//APOPTOTIC PROTEASE ACTIVATING FACTOR 1 (APAF-1).//0.0000042//102aa//32%//

# 014727 C-OVARC1000014//Homo sapiens GLE1 (GLE1) mRNA, complete cds.//2.6E-295//1393bp//97%//AF058922 C-OVARC1000035 C-OVARC1000060//EXTRACELLULAR RIBONUCLEASE LE PRECURSOR (EC 3.1.27.1) (RNASE LE).// 0.00000032//60aa//45 %//P80022 C-OVARC1000087//HISTONE MACRO-H2A.1.//1.6E-12//174aa//26%//Q02874 C-OVARC1000091//HOST CELL FACTOR C1 (HCF) (VP16 ACCESSORY PROTEIN) (HFC1) (VCAF) (CFF).// 8.4E-14//259aa//30%//P51610 C-OVARC1000113 10 C-OVARC1000139//Homo sapiens CGI-21 protein mRNA, complete cds.//0//1562bp//99%//AF132955 · C-OVARC1000148 C-OVARC1000151//Homo sapiens partial mRNA for outative protein p38 interacting with transcription factor Sp1.// 2.5E-95//461bp//98%//AJ242975 C-OVARC1000168 15 C-OVARC1000209//Oryza sativa submergence induced protein 2A mRNA, complete cds.//1.8E-32//511bp//65%// AF068332 C-OVARC1000212 C-OVARC1000241//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN) (MEMBER OF PAS PROTEIN 1) (MOP1) (HIF1 ALPHA).//8.2E-120//351aa//54%//Q16665 20 C-OVARC1000288//VACUOLAR AMINOPEPTIDASE I PRECURSOR (EC 3.4.11.22) (POLYPEPTIDASE)(LEU-CINE AMINOPEPTIDASE IV) (LAPIV) (AMINOPEPTIDASE III)(AMINOPEPTIDASE YSCI).//5.4E-53//384aa// 30%//P14904 C-OVARC1000304//PROTEIN MOV-10.//1.1E-249//519aa//87%//P23249 C-OVARC1000309//THREONINE SYNTHASE (EC 4.2.99.2).//2.7E-40//154aa//38%//P29363 25 C-OVARC1000321 C-OVARC1000326 C-OVARC1000335//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION.//5.9E-14// 200aa//27%//P40004 C-OVARC1000347 30 C-OVARC1000384 .442. C-OVARC1000411 C-OVARC1000420 C-OVARC1000437//TENSIN.//7.9E-181//340aa//84%//Q04205 C-OVARC1000443//Homo sapiens mRNA; cDNA DKFZp434A073 (from clone DKFZp434A073).//0//1216bp// 35 99%//AL080126 C-OVARC1000461 C-OVARC1000465//PROTEIN TRANSPORT PROTEIN SEC7.//1.2E-25//227aa//25%//P11075 C-OVARC1000466 C-OVARC1000473//DUAL SPECIFICITY PROTEIN PHOSPHATASE 3 (EC 3.1.3.48) (EC 3.1.3.16) (DUAL SPE-CIFICITY PROTEIN PHOSPHATASE VHR).//3.1E-10//125aa//35%//P51452 40 C-OVARC1000479//Homo sapiens mRNA for KIAA0829 protein, partial cds.//0//1919bp//99%//AB020636 C-OVARC1000520//Homo sapiens supervillin mRNA, complete cds.//2.2E-157//892bp//91 %//AF051850 C-OVARC1000564 C-OVARC1000576 45 C-OVARC1000588 C-OVARC1000605 C-OVARC1000640 C-OVARC1000649//Human squamous cell carcinama of esophagus mRNA for GRB-7 SH2 domain protein, complete cds.//0//1812bp//98%//D43772 50 C-OVARC1000661

C-OVARC1001065//Homo sapiens CGI-12 protein mRNA, complete cds.//1E-215//1027bp//98%//AF132946 C-OVARC1001162

C-OVARC1000771//RAS-RELATED PROTEIN RAB-2.//1.1E-46//121aa//79%//P08886 C-OVARC1000959//HYPOTHETICAL PROTEIN MJ0933.//1.2E-17//127aa//33%//Q58343 C-OVARC1001034//Mus musculus Fn54 mRNA, partial cds.//1.5E-178//1113bp//86%//AF001533 C-OVARC1001038//Homo sapiens mRNA for Ariadne-2 protein.//01/1172bp//97%//AJ130978

C-OVARC1001243

55

C-OVARC1001296

C-OVARC1001360 C-OVARC1001381//Homo sapiens mRNA for candidate tumor suppressor involved in B-CLL.//6E-148//683bp// 99%//AJ224819 C-OVARC1001425 C-PLACE1000005 C-PLACE1000066//SSU72 PROTEIN.//1.1E-39//206aa//43%//P53538 C-PLACE1000142//3-HYDROXYBUTYRYL-COA DEHYDRATASE (EC 4.2.1.55) (CROTONASE).//2.8E-29// 134aa//43%//P52046 C-PLACE1000184//Homo sapiens mRNA for KIAA0832 protein, complete cds.//5.5e-312//1411bp//99%// 10 AB020639 C-PLACE1000185 C-PLACE1000213//Homo sapiens mRNA for KIAA0977 protein, complete cds.//0//1904bp//99%//AB023194 C-PLACE1000347 C-PLACE1000374 15 C-PLACE1000380//Homo sapiens mRNA for KIAA0853 protein, partial cds.//0//2208bp//99%//AB020660 C-PLACE1000383//Homo sapiens mRNA for MTMR1 protein.//0//753bp//99%//AJ224979 C-PLACE1000401//POLIOVIRUS RECEPTOR PRECURSOR (CD155 ANTIGEN).//2.7E-30//352aa//31%// P15151 C-PLACE1000406//PTB-ASSOCIATED SPLICING FACTOR (PSF).//1.2E-132//334aa//72%//P23246 20 C-PLACE1000420//7.8-DIHYDRO-8-OXOGUANINE TRIPHOSPHATASE (EC 3.1.6.-) (8-OXO-DGTPASE).// 0.0000028//134aa//29%//P53368 C-PLACE1000435 C-PLACE1000444 C-PLACE1000562 25 C-PLACE1000564 C-PLACE1000588//INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 (GUANINE NUCLEOTIDE-BINDING PROTEIN 1).//1.6E-270//437aa//86%//P32455 C-PLACE1000596//Homo sapiens mRNA for KIAA0850 protein, complete cds.//0//2393bp//99%//AB020657 C-PLACE1000611//Rattus norvegicus neural membrane protein 35 mRNA, complete cds.//2E-55//779bp//67%// 30 AF044201 C-PLACE1000636//MALE STERILITY PROTEIN 2.//1.2E-39//261aa//27%//Q08891 C-PLACE1000716 C-PLACE1000748 C-PLACE1000755//Homo sapiens mRNA for Helicase-MOI, complete-cds.//4.6E-250//1189bp//97%//AB028449 C-PLACE1000785//Homo sapiens mRNA for KIAA0648 protein, partial cds.//0//2002bp//99%//AB014548 35 C-PLACE1000798 C-PLACE1000863//PUTATIVE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN YHR148W.//2.5E-49//181aa//54%//P32899 C-PLACE1000909//ANKYRIN REPEAT-CONTAINING PROTEIN AKR1.//2.6E-19//404aa//26%//P39010 40 C-PLACE1000948 C-PLACE1000972 C-PLACE1000977//BETA-CHIMAERIN (BETA-CHIMERIN),//4.4E-22//129aa//35%//Q03070 C-PLACE1001000 C-PLACE1001092//Homo sapiens sorting nexin 4 mRNA, complete cds.//0//1500bp//99%//AF065485 45 C-PLACE1001257//RING CANAL PROTEIN (KELCH PROTEIN).//4.3E-54//257aa//46%//Q04652 C-PLACE1001383//ZINC-FINGER PROTEIN UBI-D4 (APOPTOSIS RESPONSE ZINC FINGER PROTEIN REQ-UIEM).//3E-33//138aa//42%//Q61103 C-PLACE1001387//EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8.//2.3E-61// 132aa//46%//Q12929 C-PLACE1001399//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, complete sequence.//0//2118bp// 50 99%//AC005412 C-PLACE1001412 C-PLACE1001484//Homo sapiens chromosome 20 clone 387E22, WORKING DRAFT SEQUENCE, in unordered pieces.//0//1440bp//99%//AL031660 55 C-PLACE1001503 C-PLACE1001570 C-PLACE1001610

C-PLACE1001692//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14)

```
(THIOESTERASE n).//4E-81//263aa//56%//P08635
        C-PLACE1001729
        C-PLACE1001739//PUTATIVE ATP-DEPENDENT RNA HEUCASE PL10.//3.5E-75//439aa//41%//P16381
        C-PLACE1001781//PROBABLE PHOSPHOMANNOMUTASE (EC 5.4.2.8) (PMM).//5.4E-63//427aa//35%//
5
        Q57290
        C-PLACE1001810
        C-PLACE1001817//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds.//
        0//1995bp//99%//AF058953
        C-PLACE1001869//L-RIBULOKINASE (EC 2.7.1.16).//2E-27//270aa//31%//P94524
10
        C-PLACE1001912//Homo sapiens clone 24963 mRNA sequence, complete cds.//0//1196bp//99%//AF131737
        C-PLACE1001920//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds.//0//1729bp//99%//AF099935
        C-PLACE1001928
        C-PLACE1001989//PUTATIVE AMIDASE (EC 3.5.1.4),//1.4E-78//496aa//37%//Q49091
        C-PLACE1002046//LIGATIN (FRAGMENT).//1.7E-240//560aa//80%//Q61211
15
        C-PLACE1002072
        C-PLACE1002073//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLA-
        SE).//0.00000053//188aa//29%//P49606
        C-PLACE1002140
        C-PLACE1002163
20
        C-PLACE1002170
        C-PLACE1002433
        C-PLACE1002438//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN).//0.0000042//133aa//29%//Q13105
        C-PLACE1002465
        C-PLACE1002529//Homo sapiens mRNA for KIAA0713 protein, partial cds.//6.7E-214//956bp//94%//AB018256
25
        C-PLACE1002685//Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced, complete cds.//0//
        1750bp//99%//AF068180
        C-PLACE1002722//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001.//9E-45//305aa//33%//Q15391
        C-PLACE1002794
        C-PLACE1002815
30
        C-PLACE1002839
        C-PLACE1002851
        C-PLACE1002941
        C-PLACE1002996
        C-PLACE1003045
35
        C-PLACE1003092
        C-PLACE1003100//HEP27 PROTEIN (PROTEIN D).//2.6E-79//253aa//60%//Q13268
        C-PLACE1003108
        C-PLACE1003145
        C-PLACE1003174//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN
40
        LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42).//3.8E-37//143aa//51%//P42743
        C-PLACE1003190//SOF1 PROTEIN.//1.9E-110//325aa//48%//P33750
        C-PLACE1003200
        C-PLACE1003296//Homo sapiens mRNA; cDNA DKFZp434G173 (from clone DKFZp434G173),//0//1706bp//
        99%//AL080133
        C-PLACE1003302//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//6.9E-206//396aa//86%//
45
        P51522
        C-PLACE1003334
        C-PLACE1003342
        C-PLACE1003353//Homo sapiens breast cancer antiestrogen resistance 3 protein (BCAR3) mRNA, complete
        cds.//0//2435bp//99%//U92715
50
        C-PLACE1003369
        C-PLACE1003602//Homo sapiens mRNA expressed in placenta.//5.9E-278//1275bp//99%//D83200
        C-PLACE1003625//ARMADILLO SEGMENT POLARITY PROTEIN.//3.2E-10//380aa//25%//P18824
        C-PLACE1003704//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR
        SRP75).//8E-19//209aa//34%//Q08170
        C-PLACE1003711
```

C-PLACE1003723

C-PLACE1003762

|     | C-PLACE1003771   |
|-----|--|
|     | C-PLACE1003784   |
|     | C-PLACE1003923   |
| 5   | C-PLACE1003936   |
|     | C-PLACE1003968//5'-AMP-ACTIVATED PROTEIN KINASE, GAMMA-1 SUBUNIT (AMPK GAMMA-1 CHAIN).//                   |
|     | 2.4E-124//326aa//73%//P80385   |
|     | C-PLACE1004104   |
|     | C-PLACE1004114   |
| 10  |  |
|     | C-PLACE1004128//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT 4 (TRANSDUCIN BETA                         |
|     | CHAIN 4).//6.1E-181//340aa//96%//P29387  |
|     | C-PLACE1004149   |
|     | C-PLACE1004156   |
| 4.5 | C-PLACE1004161   |
| 15  | C-PLACE1004183//Homo sapiens for TOM1-like protein.//0//1279bp//97%//AJ010071                              |
|     | C-PLACE1004197//BUTYROPHILIN PRECURSOR (BT).//4.5E-10//208aa//27%//Q62556                                  |
|     | C-PLACE1004203//Homo sapiens GPI-anchored membrane protein CDw108 precursor, mRNA, complete cds.//         |
|     | 0//1882bp//99%//AF069493   |
|     | C-PLACE1004258   |
| 20  | C-PLACE1004270//TRANSMEMBRANE PROTEASE, SERINE 2 (EC 3.4.21).//9.7E-36//389aa//31%//O15393                 |
|     | C-PLACE1004277//Homo sapiens two pore domain K+ channel (TASK-2) mRNA, complete cds.//0//1498bp//99%//     |
|     | AF084830   |
|     | C-PLACE1004289   |
|     | C-PLACE1004302//SOF1 PROTEIN.//1.9E-110//325aa//48%//P33750  |
| 25  | C-PLACE1004316//H.sapiens mRNA for apoptosis specific protein.//0//1767bp//99%//Y11588                     |
|     | C-PLACE1004358//Homo sapiens connector enhancer of KSR-like protein CNK1 mRNA, complete cds.//0//          |
|     | 2512bp//99%//AF100153  |
|     | C-PLACE1004376   |
|     | C-PLACE1004388   |
| 30  | C-PLACE1004405   |
|     | C-PLACE1004428//PRISTANOYL-COA OXIDASE (EC 1.3.3).//1.2E-39//385aa//33%//Q63448                            |
|     | C-PLACE1004437//Human NAD+-specific isocitrate dehydrogenase beta subunit precursor, mRNA, nuclear gene    |
|     | encoding mitochondrial protein, complete cds.//0//985bp//99%//U49283                                       |
|     | C-PLACE1004451   |
| 35  | C-PLACE1004460//MATERNAL TUDOR PROTEIN.//0.0000002//218aa//23%//P25823                                     |
|     | C-PLACE1004473   |
|     | C-PLACE1004510//Homo sapiens cofactor of initiator function (CIF150) mRNA, complete//1.3E-209//954bp//     |
|     | 99%//AF026445  |
|     | C-PLACE1004516   |
| 10  | C-PLACE1004548   |
|     | C-PLACE1004564//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100                                       |
|     | KD SUBUNIT (CPSF 100 KD SUBUNIT).//0//525aa//99%//Q10568   |
|     | C-PLACE1004629//PROTEIN OS-9 PRECURSOR.//7.7E-18//264aa//32%//Q13438                                       |
|     | C-PLACE1004645   |
| 15  | C-PLACE1004646//B.taurus mRNA for retinal pigment epithelial membrane receptor p63.//4.4E-42//985bp//59%// |
|     | X66277   |
|     | C-PLACE1004664   |
|     | C-PLACE1004672   |
|     | C-PLACE1004674//PROBABLE CALCIUM-BINDING PROTEIN ALG-2 (PMP41) (ALG-257).//1.6E-95//191aa//                |
| 0   | 96%//P12815  |
|     | C-PLACE1004691   |
|     | C-PLACE1004722   |
|     | C-PLACE1004736   |
|     | C-PLACE1004740   |
| 5   | C-PLACE1004743//PROBABLE N-END-RECOGNIZING PROTEIN (UBIQUITIN-PROTEIN LIGASE E3 COMPO-                     |
|     | NENT) (N- RECOGNIN).//4.4E-35//578aa//27%//O60152  |
|     | C-PLACE1004751//Homo sapiens mRNA for alpha2,3-sialyltransferase ST3Gal VI, complete cds.//7.1E-224//      |
|     | 790bp//98%//AB022918   |
|     |  |

- EP 1 074 617 A2 C-PLACE1004777//N-CHIMAERIN (NC) (N-CHIMERIN) (ALPHA CHIMERIN) (A-CHIMAERIN).//1.9E-32//259aa// 32%//P30337 C-PLACE1004804//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLA-SE).//4.7E-65//695aa//29%//Q01631 C-PLACE1004814//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//5.9E-19//196aa//36%//Q08170 C-PLACE1004824 C-PLACE1004868//MALE STERILITY PROTEIN 2.//3.9E-39//261aa//27%//Q08891 C-PLACE1004885 C-PLACE1004902//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C.//9.3E-11//94aa//47%//O42643 C-PLACE1004918//L-LACTATE DEHYDROGENASE M CHAIN (EC 1.1.1.27) (LDHA).//4.9E-48//198aa//44%// P06151 C-PLACE1004930//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds//0//1853bp//98%//AF099936 C-PLACE1004934 C-PLACE1004937//SEL-10 PROTEIN.//6.3E-125//357aa//58%//Q93794 C-PLACE1004969//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X.//2E-14//205aa//26%// Q11073 C-PLACE1004982 C-PLACE1005026 C-PLACE1005027 C-PLACE1005046 C-PLACE1005077 C-PLACE1005101//Homo sapiens (clone zap128) mRNA, 3' end of cds.//1E-209//1031bp//96%//L40401 C-PLACE1005102//RING CANAL PROTEIN (KELCH PROTEIN).//2.6E-56//565aa//30%//Q04652 C-PLACE1005111 C-PLACE1005181 C-PLACE1005187//APAG PROTEIN.//3.8E-13//122aa//36%//P05636 C-PLACE1005206 C-PLACE1005232 C-PLACE1005243//SERINE/THREONINE PROTEIN KINASE PKPA (EC 2.7.1.-).//1.3E-27//349aa//32%//Q01577 C-PLACE1005261 C-PLACE1005266 C-PLACE1005277//Homo sapiens mRNA for KIAA0610 protein, partial cds.//3.2E-297//1341bp//100%//AB011182 C-PLACE1005287//INNER CENTROMERE PROTEIN (INCENP),//2.3E-13//269aa//28%//P53352 C-PLACE1005305//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3),//2E-111// 226aa//92%//P08760 C-PLACE1005308 C-PLACE1005313 C-PLACE1005327 C-PLACE1005335 C-PLACE1005373//TRNA PSEUDOURIDINE SYNTHASE B (EC 4.2.1.70) (TRNA PSEUDOURIDINE 55 SYN-THASE) (PSI55 SYNTHASE) (PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE).//8.6E-09//194aa//
- 27%//O33335 C-PLACE1005374 45

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- C-PLACE1005480
- C-PLACE1005481
- C-PLACE1005494//Homo sapiens mRNA for transient receptor potential protein TRP6.//0//1649bp//99%//
- C-PLACE1005530//HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III.//5.6E-52//173aa// 50 57%//Q09251
  - C-PLACE1005550
  - C-PLACE1005554
  - C-PLACE1005623
- 55 C-PLACE1005646//Homo sapiens RNA helicase-related protein mRNA, complete cds.//0//2130bp//99%// AF083255
  - C-PLACE1005656//RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE M2 CHAIN (EC 1.17.4.1) (RIBONUCLE-OTIDE REDUCTASE).//2.1E-148//321aa//83%//P31350

|    | C-PLACE1005730  |
|----|---|
|    | C-PLACE1005755  |
|    | C-PLACE1005763//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14)                     |
|    | (THIOESTERASE II).//2.5E-79//209aa//53%//P08635   |
| 5  | C-PLACE1005803  |
|    | C-PLACE1005804//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds.//1.1E-217//994bp//99%//       |
|    | AF027156  |
|    | C-PLACE1005851  |
|    |   |
|    | C-PLACE1005921//AIG1 PROTEIN.//3E-31//284aa//31%//P54120  |
| 10 | C-PLACE1005923  |
|    | C-PLACE1005925  |
|    | C-PLACE1005934  |
|    | C-PLACE1005936  |
|    | C-PLACE1005951  |
| 15 | C-PLACE1005953//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1).//6.7E-30//198aa//37%//P43636                       |
|    | C-PLACE1005955//VACUOLAR AMINOPEPTIDASE I PRECURSOR (EC 3.4.11.22) (POLYPEPTIDASE)//5.4E-               |
|    | 54//455aa//32%//P14904  |
|    | C-PLACE1005966//TRANSCRIPTION INITIATION FACTOR TFIID 90 KD SUBUNIT (TAFII-90).//0.00000014//           |
|    | 254aa//25%//P38129  |
| 20 | C-PLACE1005990  |
|    | C-PLACE1006011//Homo sapiens mRNA for poly(ADP-ribose) polymerase-2.//0//1564bp//99%//AJ236876          |
|    | C-PLACE1006040//Homo sapiens mRNA for alpha endosulfine.//4.7E-161//744bp//99%//X99906                  |
|    | C-PLACE1006119//Homo sapiens Ran-GTP binding protein mRNA, partial cds.//1.5E-148//681bp//99%//         |
|    | AF039023  |
| 25 | C-PLACE1006139  |
| 20 |   |
|    | C-PLACE1006159  |
|    | C-PLACE1006167  |
|    | C-PLACE1006170//Homo sapiens mRNA for KIAA0899 protein, partial cds.//4.5E-293//953bp//99%//AB020706    |
|    | C-PLACE1006195  |
| 30 | C-PLACE1006196//PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06.//2.7E-116//496aa//48%//Q09747             |
|    | C-PLACE1006225  |
|    | C-PLACE1006236  |
|    | C-PLACE1006239//BONE PROTEOGLYCAN II PRECURSOR (PG-S2) (DECORIN).//2E-16//244aa//31%//                  |
|    | P28675  |
| 35 | C-PLACE1006246  |
|    | C-PLACE1006325//Homo sapiens mRNA; cDNA DKFZp564J142 (from clone DKFZp564J142).//3.8E-278//             |
|    | 1271-bp//99%//AL080066  |
|    | C-PLACE1006335  |
|    | C-PLACE1006357  |
| 40 | C-PLACE1006385//Homo sapiens epsin 2a mRNA, complete cds.//0//1168bp//99%//AF062085                     |
|    | C-PLACE1006412  |
|    | C-PLACE1006414  |
|    | C-PLACE1006438//ZINC FINGER PROTEIN 165.//2.5E-45//122aa//43%//P49910                                   |
|    | C-PLACE1006445  |
| 45 | C-PLACE1006470  |
| ,, |   |
|    | C-PLACE1006482//TRANSCRIPTION FACTOR MAFF.//7.7E-55//142aa//85%//Q90595                                 |
|    | C-PLACE1006488//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//1.1E-229//367aa//96%//              |
|    | Q00004  |
|    | C-PLACE1006492  |
| 50 | C-PLACE1006531  |
|    | C-PLACE1006552  |
|    | C-PLACE1006598//Homo sapiens clone NH0310K15, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0//          |
|    | 2182bp//99%//AC007383   |
|    | C-PLACE1006615  |
| 55 | C-PLACE1006626//Homo sapiens mRNA for KIAA0928 protein, partial cds.//0//1760bp//99%//AB023145          |
|    | C-PLACE1006673  |
|    | C-PLACE1006678//Homo sapiens mRNA for type II membrane protein, complete cds, clone:HP10328.//5.8E-24// |
|    | 734bp//62%//AB015630  |

```
C-PLACE1006704
        C-PLACE1006731//RIBOFLAVIN KINASE (EC 2.7.1.26) (FLAVOKINASE) / FMN ADENYLYLTRANSFERASE (EC
        2.7.7.2) (FAD PYROPHOSPHORYLASE) (FAD SYNTHETASE).//6.9E-13//177aa//33%//Q59263
        C-PLACE1006782
5
        C-PLACE1006819//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//9.8E-213//232aa//80%//P08547
        C-PLACE1006829//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTE-
        RASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUI-
        TOUS NUCLEAR PROTEIN).//2E-15//188aa//29%//P35123
        C-PLACE1006883
10
        C-PLACE1006901
        C-PLACE1006917//HSH49 PROTEIN.//5.5E-12//97aa//35%//Q99181
        C-PLACE1006932
        C-PLACE1006935/HYPOTHETICAL 95.2 KD PROTEIN R144.6 IN CHROMOSOME III.//6.7E-48//278aa//41%//
        Q10000
15
        C-PLACE1006956//ATP-DEPENDENT PERMEASE MDL1.//1.3E-86//522aa//36%//P97998
        C-PLACE1006958//Homo sapiens mRNA for heat shock protein apg-1, complete cds.//0//1770bp//99%//.
        AB023421
        C-PLACE1006961
        C-PLACE1006962
        C-PLACE1006966
20
        C-PLACE1007014//36 KD NUCLEOLAR PROTEIN HNP36 (DELAYED-EARLY RESPONSE PROTEIN 12)
        (DER12).//3.2E-35//180aa//33%//Q14542
        C-PLACE1007021
        C-PLACE1007105
25
        C-PLACE1007178
        C-PLACE1007226//PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (EC 1.-.-)
        (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE).//1E-42//370aa//31%//P54304
        C-PLACE1007238
        C-PLACE1007239//Homo sapiens mRNA for transcription elongation factor S-II, hS-II-T1, complete cds.//6.5E-
30
        216//1068bp//96%//D50495
        C-PLACE1007242
        C-PLACE1007243//UNC-47 PROTEIN.//0.00000017//211aa//27%//P34579
        C-PLACE1007257//Homo sapiens mRNA for dia-12c protein.//0//2052bp//99%//Y15908
        C-PLACE1007274
35
        C-PLACE1007282
        C-PLACE1007301
        C-PLACE1007317//Drosophila melanogaster Adrift (adrift) mRNA, complete cds.//4.1E-17//1037bp//56%//
        C-PLACE1007342
```

C-PLACE1007346//Homo sapiens estrogen-responsive B box protein (EBBP) mRNA, complete cds.//0//2366bp// 40 99%//AF096870

C-PLACE1007367

C-PLACE1007375//PHORBOL ESTER/DIACYLGLYCEROL-BINDING PROTEIN UNC-13.//0.00000044//127aa// 30%//P27715

45 C-PLACE1007386

C-PLACE1007402

C-PLACE1007409//WHITE PROTEIN.//1.1E-64//428aa//32%//Q17320

C-PLACE1007416//DIPEPTIDYL PEPTIDASE IV (EC 3.4.14.5) (DPP IV) (T-CELL ACTIVATION ANTIGEN CD26) (TP103) (ADENOSINE DEAMINASE COMPLEXING PROTEIN-2) (ADABP).//8.8E-25//140aa//35%//P27487

50 C-PLACE1007450

55

C-PLACE1007452

C-PLACE1007460

C-PLACE1007484

C-PLACE1007488//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-CIOGENITAL DYSPLASIA PROTEIN HOMOLOG).//5.4E-53//426aa//33%//P52734

C-PLACE1007507

C-PLACE1007511//KERATIN, TYPE I CYTOSKELETAL 19 (CYTOKERATIN 19) (K19) (CK 19).//1.4E-85//385aa// 45%//P08728

- C-PLACE1007524 C-PLACE1007537//Homo sapiens ankyrin repeat-containing protein ASB-2 mRNA, complete cds.//8.9e-316// 1485bp//98%//AF159164 C-PLACE 1007544 5 C-PLACE1007547//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//1E-49//361aa//36%// P34537 C-PLACE1007583 C-PLACE1007598//ZINC FINGER PROTEIN 184 (FRAGMENT).//1.6E-143//666aa//44%//Q99676 C-PLACE1007618//Homo sapiens mRNA for KIAA0977 protein, complete cds.//0//713bp//99%//AB023194 10 C-PLACE1007621 C-PLACE1007632//POLIOVIRUS RECEPTOR PRECURSOR.//0.0000001//228aa//31%//P32506 C-PLACE1007645 C-PLACE1007649//Homo sapiens mRNA for KIAA0977 protein, complete cds.//0//1952-bp//99%//AB023194 C-PLACE1007688//LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG),// 15 8.7E-09//279aa//28%//Q26457 C-PLACE1007690 C-PLACE1007697//GCN20 PROTEIN.//7.6E-119//717aa//38%//P43535 C-PLACE1007706//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//0//3431bp//99%//AF061243 C-PLACE1007729//RETROVIRUS-RELATED PROTEASE (EC 3.4.23.-).//1.5E-44//231aa//42%//P10265 20 C-PLACE1007730//Homo sapiens mRNA for KIAA0685 protein, complete cds.//9.2E-294//1504bp//94%// AB014585 C-PLACE1007746 C-PLACE1007791//Homo sapiens IDN3-B mRNA, complete cds.//0//1836bp//99%//AB019602 25 C-PLACE1007810 C-PLACE1007843 C-PLACE1007846//Homo sapiens genomic DNA of 21q22.2 Down Syndrome region, segment 3/13.//0//1751bp// 99%//AP000010 C-PLACE1007858//Homo sapiens mRNA for KIAA0766 protein, complete cds.//0//3112bp//99%//AB018309 30 C-PLACE1007897 C-PLACE1007946//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II).//2.6E-14//370aa// 25%//Q99323 C-PLACE1007954 C-PLACE1007955//Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds.//0//2252bp//99%// 35 C-PLACE1007958//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//0//2300bp// 99%//AF079529 C-PLACE1007969//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M).//1.1E-36//202aa// 48%//P52272 40 C-PLACE1007990 C-PLACE1008000//CHANNEL ASSOCIATED PROTEIN OF SYNAPSE-110 (CHAPSYN-110) (SYNAPTIC DEN-SITY PROTEIN PSD-93).//6.1E-14//128aa//39%//Q63622 C-PLACE1008002//Homo sapiens clone DJ0613C23, WORKING DRAFT SEQUENCE, 4 unordered pieces.//0// 1833bp//99%//AC005628 45 C-PLACE1008044//NUCLEAR PORE COMPLEX PROTEIN NUP107 (NUCLEOPORIN NUP107) (107 KD NU-CLEOPORIN) (P105).//4.6e-318//613aa//94%//P52590 C-PLACE1008095 C-PLACE1008122 C-PLACE1008129
- 31%//Q09531
  C-PLACE1008177/TRICHOHYALIN.//2.3E-29//487aa//26%//P37709
  C-PLACE1008209
  C-PLACE1008273//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).//1.3E-283//
  671aa//77%//P53620
  C-PLACE1008275//DNA REPAIR PROTEIN REV1 (EC 2 7 7 -) //2 3E-18//162aa//37%//P12689

C-PLACE1008132//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III.//1.3E-24//395aa//

- C-PLACE1008275//DNA REPAIR PROTEIN REV1 (EC 2.7.7.-).//2.3E-18//162aa//37%//P12689 C-PLACE1008280
- C-PLACE1008309

50

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C-PLACE1008329
        C-PLACE1008356//Homo sapiens mRNA for KIAA0679 protein, partial cds.//0//1853bp//100%//AB014579
        C-PLACE1008398//GENE 33 POLYPEPTIDE.//7.3E-114//243aa//87%//P05432
        C-PLACE1008401
5
        C-PLACE1008402//GENERAL VESICULAR TRANSPORT FACTOR P115 (TRANSCYTOSIS ASSOCIATED
        PROTEIN) (TAP).//0//698aa//95%//P41541
        C-PLACE1008429//ANKYRIN HOMOLOG PRECURSOR.//3.1E-11//189aa//32%//Q06527
        C-PLACE1008457
        C-PLACE1008465
10
        C-PLACE1008488
        C-PLACE1008524//Human DNA sequence from clone 34B21 on chromosome 6p12.1-21.1. Contains part of a
        gene for a novel protein with ZU5 domain similar to part of Tight Junction Protein ZO1 (TJP1) and UNC5 Homologs,
        the gene for a novel BZRP (peripheral benzodiazapine recepto//0//1980bp//99%//AL031778
        C-PLACE1008531
15
        C-PLACE1008532
        C-PLACE1008533//101 KD MALARIA ANTIGEN (P101) (ACIDIC BASIC REPEAT ANTIGEN).//1.1E-09//62aa//
        48%//P22620
        C-PLACE1008568
        C-PLACE1008603//NUCLEAR PORE COMPLEX PROTEIN NUP155 (NUCLEOPORIN NUP155) (155 KD NU-
        CLEOPORIN) (P140).//7.8E-236//453aa//96%//P37199
20
        C-PLACE1008621
        C-PLACE1008626
        C-PLACE1008627//Homo sapiens mRNA for cysteine-rich protein.//0//1850bp//99%//AJ006591
25
        C-PLACE1008650//Homo sapiens pleiotropic regulator 1 (PLRG1) mRNA, complete cds.//0//1548bp//100%//
        AF044333
        C-PLACE1008693
        C-PLACE1008696//Homo sapiens NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8)
        gene, nuclear gene encoding mitochondrial protein, complete cds.//0//3002bp//99%//AF038406
        C-PLACE1008790//IMPORTIN ALPHA-6 SUBUNIT (KARYOPHERIN ALPHA-6 SUBUNIT) (IMPORTIN ALPHA
30
        S2).//3.1E-280//533aa//98%//O35345
        C-PLACE1008808//Homo sapiens mRNA for cell cycle checkpoint protein rad1A.//2.3E-269//1225bp//99%//
        AJ004974
        C-PLACE1008813
35
        C-PLACE1008854
        C-PLACE1008867
        C-PLACE1008887
        C-PLACE1008902
        C-PLACE1008925
        C-PLACE1009020//NIFS PROTEIN.//3.9E-55//279aa//41%//P12623
40
        C-PLACE1009027//Homo sapiens mRNA for doublecortin.//0//1919bp//99%//AJ003112
        C-PLACE1009045
        C-PLACE1009060//BRO1 PROTEIN.//6.7E-19//567aa//24%//P48582
        C-PLACE1009090
45
        C-PLACE1009091
        C-PLACE1009094//FURIN-LIKE PROTEASE 2 PRECURSOR (EC 3.4.21.75) (FURIN 2).//1.9E-44//480aa//30%//
        P30432
        C-PLACE1009099//ZINC FINGER PROTEIN 41 (FRAGMENT).//1.1E-179//452aa//67%//P51814
        C-PLACE1009110
50
        C-PLACE1009111
        C-PLACE1009130//UBIQUITIN-PROTEIN LIGASE E3A (EC 6.3.2.-) (ONCOGENIC PROTEIN-ASSOCIATED
        PROTEIN E6-AP).//2E-68//181aa//43%//Q05086
        C-PLACE1009158
        C-PLACE1009166
55
        C-PLACE1009174
        C-PLACE1009186
        C-PLACE1009190
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C-PLACE1009230

C-PLACE1009319//Rattus norvegicus outer membrane protein (OMP25) mRNA, complete cds; nuclear gene for mitochondrial product.//2.1E-132//1229bp//75%//AF107295 C-PLACE1009328 C-PLACE1009335 C-PLACE1009338 C-PLACE1009368//METAL HOMEOSTASIS FACTOR ATX2.//2.5E-10//151aa//29%//Q12067 C-PLACE1009375 C-PLACE1009388 C-PLACE1009404//HYPOTHETICAL 105.6 KD PROTEIN C16C9.06C IN CHROMOSOME I.//0.000000047// 165aa7/33%//Q09820 10 C-PLACE1009434 C-PLACE1009443 C-PLACE1009444//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KI-NASE) (PI4K-ALPHA).//7.8E-71//82aa//89%//P42356 15 C-PLACE1009459 C-PLACE1009468//PHOSPHOLIPASE A-2-ACTIVATING PROTEIN (PLAP).//3.1E-289//550aa//93%//P54319 C-PLACE1009476//PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III.//3.9E-40// 179aa//37%//P34580 C-PLACE1009524//ARF NUCLEOTIDE-BINDING SITE OPENER (ARNO PROTEIN) (ARF EXCHANGE FAC-20 TOR).//8.1E-99//228aa//75%//Q99418 C-PLACE1009542 C-PLACE1009571 C-PLACE1009581 C-PLACE1009596//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//5.1E-54//291aa//40%//Q00808 25 C-PLACE1009607 C-PLACE1009621 C-PLACE1009622//MATERNAL EFFECT PROTEIN STAUFEN.//1.3E-60//209aa//41%//P25159 C-PLACE1009659//MEMBRANE-ASSOCIATED PROTEIN HEM-2 (NAPI PROTEIN).//1.5E-285//538aa//99%// P55161 30 C-PLACE1009665 C-PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds.//0//1854bp//100%//AF062534 C-PLACE1009708/HYPOTHETICAL 143.3 KD TRP-ASP REPEATS CONTAINING PROTEIN C12G12.13C IN CHROMOSOME I.//7E-33//166aa//43%//Q09876 C-PLACE1009721//MSF1 PROTEIN.//1.7E-22//176aa//33%//P35200 35 C-PLACE1009731//AIG1 PROTEIN.//1.6E-22//274aa//28%//P54120 C-PLACE1009763//Homo sapiens mRNA for Nedd8-activating enzyme hUba3, complete cds,//4.3E-294//1329bp// 100%//AB012190 C-PLACE1009794 C-PLACE1009845//Homo sapiens mRNA for KIAA0905 protein, complete cds.//0//2685bp//99%//AB020712 40 C-PLACE1009886 C-PLACE1009908//HYPOTHETICAL GTP-BINDING PROTEIN IN SEH1-PRP20 INTERGENIC REGION.//1.9E-108//277aa//43%//P53145 C-PLACE1009971 C-PLACE1009992/LIMULUS CLOTTING FACTOR C PRECURSOR (EC 3.4.21.84).//4.6E-59//450aa//34%// 45 P28175 C-PLACE1009995//Homo sapiens mRNA; cDNA DKFZp5640123 (from clone DKFZp5640123).//0//1962bp//99%// AL080122 C-PLACE1009997//Rattus norvegicus A-kinase anchoring protein AKAP 220 mRNA, complete cds.//5.2E-70// 736bp//73%//U48288 50 C-PLACE1010023 C-PLACE1010031 C-PLACE1010053//M.musculus Spnr mRNA for RNA binding protein.//6E-279//1402bp//94%//X84692 C-PLACE1010074//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//0//2019bp//99%//AF065482 C-PLACE1010076 C-PLACE1010096//100 KD PROTEIN (EC 6.3.2.-).//1.4E-268//506aa//98%//Q62671 55 C-PLACE1010102 C-PLACE1010105//RING CANAL PROTEIN (KELCH PROTEIN).//7.3E-114//537aa//44%//004652 C-PLACE1010106//Homo sapiens mRNA; cDNA DKFZp586M1418 (from clone DKFZp586M1418).//0//1974bp//

#### 99%//AL049385

C-PLACE1010134//TRANSCRIPTION REGULATORY PROTEIN SNF2 (SWI/SNF COMPLEX COMPONENT SNF2) (REGULATORY PROTEIN SWI2) (REGULATORY PROTEIN GAM1) (TRANSCRIPTION FACTOR TYE3).//1.7E-20//156aa//42%//P22082

5 C-PLACE1010148//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE I).//0.00000046//431aa//23%//P35662 C-PLACE1010194//SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35) (SPLICING COMPONENT, 35 KD) (PR264 PROTEIN).//9.8E-11//95aa//49%//Q01130 C-PLACE1010202

C-PLACE1010261//SEGREGATION DISTORTER PROTEIN.//1.6E-77//214aa//62%//P25722

10 C-PLACE1010274//Homo sapiens mRNA; cDNA DKFZp5640123 (from clone DKFZp5640123).//0//1964bp//99%// AL080122

C-PLACE1010293

C-PLACE1010321//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).// 1.1E-09//350aa//22%//P52178

15 C-PLACE1010324

C-PLACE1010329

C-PLACE1010362//1-PHOSPHATIDYLINOSITOL PHOSPHODIESTERASE PRECURSOR (EC 3.1.4.10) (PHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHOLIPASE C) (PI-PLC).//0.0000000002//126aa//29%//P34024 C-PLACE1010364

20 C-PLACE1010383

25

30

40

C-PLACE1010481//Homo sapiens mRNA for KIAA0836 protein, partial cds.//0//2121bp//99%//AB020643 C-PLACE1010491

C-PLACE1010492

C-PLACE1010522//Homo sapiens mRNA for DEPP (decidual protein induced by progesterone), complete cds.// 0//1981bp//99%//AB022718

C-PLACE1010529

C-PLACE1010547//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//0.00000012//616aa//24%// P253.86

C-PLACE1010599//Homo sapiens Pex14 mRNA for peroxisomal membrane anchor protein, complete cds.//0// 1904bp//99%//AB017546

C-PLACE1010616

C-PLACE1010622//TROPONIN T, CARDIAC MUSCLE ISOFORMS (TNTC).//0.00000016//120aa//28%//P02642 C-PLACE1010629

C-PLACE1010630

35 C-PLACE1010661//TESTIS-SPECIFIC PROTEIN PBS13.//5.7E-75//423aa//39%//Q01755 C-PLACE1010714

C-PLACE1010720//Homo sapiens mRNA for chromosome-associated polypeptide-C, complete cds.//4E-299// 1091bp//99%//AB019987

C-PLACE1010743//Homo sapiens myosin-IXb splice variant (Myo9b) mRNA, partial cds.//8.9E-91//668bp//82%//

C-PLACE1010771//M.musculus HCNGP mRNA.//7.4E-168//966bp//89%//X68061

C-PLACE1010786

C-PLACE1010800

C-PLACE1010811

C-PLACE1010870//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.3E-143//407aa// 58%//Q05481

C-PLACE1010877//Homo sapiens mRNA for KIAA0610 protein, partial cds.//0//1885bp//99%//AB011182 C-PLACE1010900

C-PLACE2000050

C-PLACE4000522//NEUROGENIC LOCUS NOTCH PROTEIN HOMOLOG PRECURSOR (XOTCH PROTEIN)-// 2.4E-191//828aa//48%//P21783

C-PLACE4000590

C-PLACE4000638

C-PLACE4000650//TUBERIN (TUBEROUS SCLEROSIS 2 HOMOLOG PROTEIN).//7.9E-17//201aa//34%//

55 P49816

C-Y79AA1001647

Homology Search Result Data 7.

[0315] The result of the homology search of the SwissProt using the 5'-end sequence (54 clones selected in EXAM-PLE 16).

5 [0316] Data include

the name of clone,

definition of the top hit data,

the P-value: the length of the compared sequence: identity (%), and

the organism and the Accession No. of the top hit data, as in the order separated by //.

[0317] Data are not shown for the clones in which the P-value was higher than 1.

F-HEMBA1000497//METALLOTHIONEIN-LIKE PROTEIN 2A (MT-2A) (MT-K) (MT-1G).//0.13//52//38//P25860
F-HEMBA1001750//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME 64E).//2.2e-28//104//59//Q24574

F-HEMBA1003854//VERPROLIN.//0.012//138//31//P37370

F-HEMBA1004193//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L (EC 1.6.5.3) (FRAGMENT).//0.93//39//

20 33//Q37131

F-HEMBA1004860//HIGH POTENTIAL IRON-SULFUR PROTEIN, ISOZYME 2 (HIPIP 2).//0.90//20//50//P38524 F-HEMBA1005572//ZINC FINGER PROTEIN 124 (HZF-16).//7.6e-46//141//58//Q15973

F-HEMBA1006038//COLLAGEN ALPHA 1(XII) CHAIN (FRAGMENT).//0.0033//32//46//P70560

F-HEMBA1006092//VERPROLIN.//1.0//62//35//P37370

F-HEMBA1006406//MATING PHEROMONE ER-10 PRECURSOR (EUPLOMONE R10).//0.30//41//36//P12350
 F-HEMBA1006650//MATING-TYPE PHEROMONE BAP1(2) PRECURSOR.//0.089//21//52//Q02593
 F-HEMBA1006812//HEAT SHOCK PROTEIN HTGA (HEAT SHOCK PROTEIN HTPY).//0.38//156//30//P28697
 F-HEMBB1000672

F-HEMBB1001197//DNA-BINDING PROTEIN 65 (PROTEIN GP65).//1.0//30//36//P16012

F-HEMBB1001871//BONE/CARTILAGE PROTEOGLYCAN I PRECURSOR (BIGLYCAN) (PG-S1).//3.7e-54// 241//47//P47853

F-MAMMA1001252//HYPOTHETICAL 9.1 KD PROTEIN IN NIRQ 3'REGION (ORF3).//0.59//48//39//Q51483 F-MAMMA1002094

F-NT2RM4000634//T-CELL RECEPTOR BETA CHAIN PRECURSOR (ANA 11).//0.26//58//27//P06333

F-NT2RM4000657//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT).//8.9e-20//83//48//P10895 F-NT2RM4000783//ZINC FINGER PROTEIN (FRAGMENT).//1.0//42//40//P19326 F-NT2RM4000857//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN COMPLEX ACID LABILE CHAIN

PRECURSOR (ALS).//6.0e-23//207//32//002833

40 F-NT2RM4001178//HOMEOBOX PROTEIN OTX3 (ZOTX3).//0.012//156//28//Q90267

F-NT2RM4002420//GLUTAMIC ACID-RICH PROTEIN PRECURSOR.//0.0012//81//37//P13816

F-NT2RP2000198//CREB-BINDING PROTEIN.//0.29//98//37//Q92793

F-NT2RP2000551//PROTEIN Q300.//0.00017//23//60//Q02722

F-NT2RP2000660//HYPOTHETICAL PROTEIN MJ0401.//1.0//41//29//Q57844

45 F-NT2RP2001214//MALE SPECIFIC SPERM PROTEIN MST84DC.//0.27//13//61//Q01644

F-NT2RP2001460//PROTEIN KINASE C-LIKE (EC 2.7.1.-).//0.089//99//29//Q99014 F-NT2RP2001756//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT)-//4.0e-13//177//

F-NT2RP2002056//HYPOTHETICAL 6.0 KD PROTEIN IN THI12 5'REGION.//0.37//12//75//P53820

50 F-NT2RP2002677//NONSPECIFIC LIPID-TRANSFER PROTEIN 3 PRECURSOR (LTP 3).//0.99//61//32//Q42616 F-NT2RP2002755//OCTAPEPTIDE-REPEAT PROTEIN T2.//3.3e-10//90//35//Q06666

F-NT2RP2002843//CYTOCHROME B.//0.78//103//26//P48884

F-NT2RP2003101//ATPASE INHIBITOR, MITOCHONDRIAL HOMOLOG.//0.40//28//46//P37209

F-NT2RP2003799//HYPOTHETICAL PROTEIN MJ0116.1.//0.80//55//32//P81303

55 F-NT2RP2004095

F-NT2RP2004732

F-NT2RP2004920//HISTIDINE-RICH, METAL BINDING POLYPEPTIDE.//0.18//18//55//Q48251

F-NT2RP2005454

F-NT2RP2005776//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-FERASE) (FRAGMENT).//7.4e-38//136//41//P51003

F-NT2RP2005806//A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR.//4.0e-08//180//28//P32323 F-NT2RP2005882

F-NT2RP3001282//METHYL-ACCEPTING CHEMOTAXIS PROTEIN TLPB.//0.0022//69//39//P39217
F-NT2RP3001723//TRANSCRIPTIONAL REGULATORY PROTEIN ALGP (ALGINATE REGULATORY PROTEIN ALGR3).//0.00035//127//31//P15276

F-NT2RP3002099//NONHISTONE CHROMOSOMAL PROTEIN HMG-17.//0.97//71//28//P05204

F-NT2RP3003155//CCAAT DISPLACEMENT PROTEIN (HOMEOBOX PROTEIN CLOX) (CLOX-1) (FRAG-MENT) // 0.004/4440/044470

10 MENT).//0.064//110//34//P39881

F-NT2RP3004028//NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 (EC 1.6.5.3) (FRAGMENT).//0.020//95//29//P15583

F-OVARC1000008//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN).//2.8e-05//165//29//P17437

F-OVARC1000724//SALIVARY PROLINE-RICH PROTEIN PO (ALLELE K) [CONTAINS: PEPTIDE P-D] (FRAGMENT).//0.035//152//30//P10162

F-OVARC1000751//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICPO (VMW118 PROTEIN).//0.38//124//31//P28284

F-OVARC1001029

F-PLACE1000814//EC PROTEIN HOMOLOG 2 (FRAGMENT).//0.45//61//24//Q42377

F-PLACE1003030//GALECTIN-3 (GALACTOSE-SPECIFIC LECTIN 3) (MAC-2 ANTIGEN) (IGE-BINDING PROTEIN) (35 KD LECTIN) (CARBOHYDRATE BINDING PROTEIN 35) (CBP 35) (LAMININ-BINDING PROTEIN) (LECTIN L-29).//0.70//121//32//P47845

F-PLACE1005549//RHO1 GDP-GTP EXCHANGE PROTEIN 1 (PROTEIN KINASE C SUPPRESSOR SKC1).// 3.2e-08//205//24//P53046

F-PLACE1007218//IG KAPPA CHAIN V-III REGION (PC 7210).//0.99//52//38//P01668

Homology Search Result Data 8.

30 [0318] The result of the homology search of the GenBank using the clone sequence of 5'-end (54 clones selected in EXAMPLE 16.) except EST and STS.

[0319] Data include

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the name of clone,

definition of the top hit data,

the P-value: the length of the compared sequence: identity (%), and

the Accession No. of the top hit data, as in the order separated by //.

[0320] Data are not shown for the clones in which the P-value was higher than 1.

F-HEMBA1000497

F-HEMBA1001750//Human mitochondrial genes for several tRNAs (Phe, Val, Leu) and 12S and 16S ribosomal RNAs.//6.6e-101//473//99//V00710

F-HEMBA1003854//Homo sapiens clone RG270D13, \*\*\* SEQUENCING IN PROGRESS \*\*\*, 18 unordered pieces.//1.7e-05//412//61//AC005081

F-HEMBA1004193//Human BAC clone RG343H22 from 7q31, complete sequence.//0.77//466//59//AC002386 F-HEMBA1004860//Human pigment epithelium-derived factor gene, complete cds.//6.7e-07//492//57//U29953 F-HEMBA1005572//HZF-16=Kruppel-related zinc finger gene homolog {alternatively spliced} [human, hepatoblastoma cell line, HEP-G2, mRNA, 2080 nt].//2.9e-47//341//77//S54641

F-HEMBA1006038//Human DNA sequence from clone 989H11 on chromosome 22q13.1-13.2, complete sequence.//0.28//436//59//Z83851

F-HEMBA1006092//Human chromosome 16pl3.11 BAC clone CIT987SK-29B12 complete sequence.//0.28//309//60//U95738

F-HEMBA1006406//HS\_2268\_B2\_C07\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2268 Col=14 Row=F, genomic survey sequence.//3.7e-69//340//99//AQ070566

F-HEMBA1006650//H.sapiens CpG island DNA genomic Mse1 fragment, clone 5h5, forward read cpg5h5.f1a.// 9.4e-24//143//96//Z55730

F-HEMBA1006812//X.laevis xUBFalphal mRNA for upstream binding factor 2.//0.96//234//64//X59863

- F-HEMBB1000672//CIT-HSP-2350H6.TF CIT-HSP Homo sapiens genomic clone 2350H6, genomic survey sequence.//1.1e-68//375//94//AQ059158
- F-HEMBB1001197//Drosophila melanogaster strawberry notch (sno) mRNA, complete cds.//2.8e-10//229//66// U95760
- F-HEMBB1001871//Equus caballus dermatan sulfate proteoglycan II mRNA, complete cds.//1.2e-27//619//62// AF038127
  - F-MAMMA1001252
  - F-MAMMA1002094//H.sapiens CpG island DNA genomic Mse1 fragment, clone 184g7, forward read cpg184g7.ft1a.//3.4e-29//167//97//Z59993
- F-NT2RM4000634//Chionoecetes opilio (clone COP41) DNA microsatellite repeat regions.//1.4e-21//230//73//
  - F-NT2RM4000657//Human mRNA for phospholipase C, complete cds.//0.029//245//61//D42108
  - F-NT2RM4000783//Homo sapiens chromosome 16, cosmid clone 330D11 (LANL), complete sequence.//3.7e-36// 324//70//AC005199
- F-NT2RM4000857//RPCI11-49P19.TJ RPCI-11 Homo sapiens genomic clone RPCI-11-49P19, genomic survey sequence.//1.5e-62//322//97//AQ051961
  - F-NT2RM4001178//Streptomyces coelicolor cosmid 7H1.//0.0025//296//62//AL021411
  - F-NT2RM4002420//Homo sapiens chromosome 17, clone hRPK.63\_A\_1, complete sequence.//0.00013//121//76//AC005670
- <sup>20</sup> F-NT2RP2000198//Human platelet glycoprotein IX mRNA, 3' end.//0.016//246//62//M25827
  - F-NT2RP2000551//Rattus norvegicus microsatellite sequence clone 82G9.//2.0e-08//223//69//AJ233812
  - F-NT2RP2000660//Homo sapiens chromosome 19, cosmid R30953, complete sequence.//0.0073//209//66// AC005622
  - F-NT2RP2001214

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- F-NT2RP2001460//Homo sapiens PAC clone DJ0905J08 from 7p12-p14, complete sequence.//1.0//80//76// AC005189
  - F-NT2RP2001756//CIT-HSP-2373P1.TR CIT-HSP Homo sapiens genomic clone 2373P1, genomic survey sequence.//3.0e-38//220//94//AQ110589
  - F-NT2RP2002056//Genomic sequence from Human 17, complete sequence.//1.2e-80//317//91//AC002094
- F-NT2RP2002677//Homo sapiens chromosome 10 clone CIT987SK-1031G15 map 10q25, \*\*\* SEQUENCING IN PROGRESS \*\*\*, 1 ordered pieces.//0.032//141//70//AC006097
  - F-NT2RP2002755//Homo sapiens genomic DNA of 21q22.2 Down Syndrome region, segment 9/13.7/1.8e-22// 377//69//AP000018
  - F-NT2RP2002843//Homo sapiens BAC clone RG030L05 from 7q22, complete sequence.//6.5e-16//311//63//
  - F-NT2RP2003101//Human FMR1 gene, 5' end.//0.32//105//67//L19476
  - F-NT2RP2003799//Human DNA for 5' terminal region of LINE-1 transposable element clone CGL1-4.//1.6e-33// 119//96//X52233
  - F-NT2RP2004095//HS\_3083\_A1\_A02\_MF CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3083 Col=3 Row=A, genomic survey sequence.//1.0e-14//154//79//AQ106698
  - F-NT2RP2004732//CIT-HSP-631P16.TP CIT-HSP Homo sapiens genomic clone 631P16, genomic survey sequence.//2.3e-20//120//99//B79035
  - F-NT2RP2004920//Plasmodium falciparum MAL3P4, complete sequence.//0.030//397//59//AL008970
  - F-NT2RP2005454//Plasmodium falciparum chromosome 2, section 47 of 73 of the complete sequence.//0.97// 455//56//AE001410
    - F-NT2RP2005776//H.sapiens PAP mRNA.//1.0e-33//451//68//X76770
    - F-NT2RP2005806//Mus musculus musculus sex determining protein (Sry) gene, complete cds.//0.029//412//60// U70652
    - F-NT2RP2005882//Human DNA sequence from PAC 389A20 on chromosome X contains ESTs STS, CpG islands and polymorphic CA repeat.//9.4e-25//155//90//Z93242
    - F-NT2RP3001282//RPCI11-52L16.TJ RPCI-11 Homo sapiens genomic clone RPCI-11-52L16, genomic survey sequence.//3.2e-21//122//100//AQ052775
    - F-NT2RP3001723//H.sapiens CpG island DNA genomic Mse1 fragment, clone 13g5, reverse read cpg13g5.rt1a.// 2.2e-18//163//85//Z56771
- F-NT2RP3002099//Homo sapiens chromosome 17, clone hCIT.296\_K\_1, complete sequence.//1.3e-76//351//86// AC005180
  - F-NT2RP3003155
  - F-NT2RP3004028//Sequence 1 from patent US 5618695.//3.3e-13//217//70//I40055

F-OVARC1000008////0.0040//674//57//M82836

F-OVARC1000724//Herpes simplex virus type I immediate early (IE) gene 3 for transcriptional activator IE175 (= ICP 4).//1.1e-07//519//59//X06461

F-OVARC1000751//Homo sapiens DNA from chromosome 19, cosmid R29144, complete sequence.//7.2e-11// 509//62//AC004221

F-OVARC1001029//Human DNA sequence from clone 19408 on chromosome 6q24.1-25.3 Contains STS and GSSs, complete sequence.//1.1e-05//388//61//AL031769

F-PLACE1000814//Homo sapiens BAC clone GS011E15 from 5q31, complete sequence.//1.4e-84//717//78// AC002427

10 F-PLACE1003030

F-PLACE1005549//Human guanine nucleotide regulatory protein (NET1) mRNA, complete cds.//4.9e-56//709//68//U02081

F-PLACE1007218//Homo sapiens chromosome 20 clone RP3-387E22, \*\*\* SEQUENCING IN PROGRESS \*\*\*, in unordered pieces.//3.1e-39//214//98//AL031660

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Homology Search Result Data 9.

[0321] The result of the homology search of the GenBank using the clone sequence of 3'-end (54 clones selected in EXAMPLE 16.) except EST and STS.

20 [0322] Data include

the name of clone.

definition of the top hit data,

the P-value: the length of the compared sequence: identity (%), and

25 the Accession No. of the top hit data, as in the order separated by //.

[0323] Blank indicates that the 3'-end sequence corresponding to the 5'-end was not determined in the clone.

[0324] Data are not shown for the clones in which the P-value was higher than 1.

- R-HEMBA1000497//\*\*\*ALU WARNING: Human Alu-J subfamily consensus sequence.//1.4e-38//185//84//U14567 R-HEMBA1001750//Hansenula wingei mitochondrial DNA, complete sequence.//1.7e-07//399//59//D31785 R-HEMBA1003854//Human DNA sequence from clone 224A6 on chromosome 1p35.1-36.23 Contains part of a gene similar to Mouse Wnt-4 protein, the gene for CDC42 (cell division cycle 42 (GTP-binding protein, 25kD)), ESTs, STSs, GSSs and a CpG Island, complete sequence.//1.4e-75//309//85//AL031281
- R-HEMBA1004193//\*\*\*ALU WARNING: Human Alu-J subfamily consensus sequence.//1.1e-34//188//81//U14567 R-HEMBA1004860//Homo sapiens 12q13.1 PAC RPCI3-197B17 (Roswell Park Cancer Institute Human PAC library) complete sequence.//1.3e-06//239//66//AC004241
  - R-HEMBA1005572//Homo sapiens chromosome 21 PAC RPCIP704E14135Q2, complete sequence.//3.1e-21//341//67//AJ010598
- 40 R-HEMBA1006038//Homo sapiens chromosome 19, cosmid R34094, complete sequence.//1.7e-24//307//71// AC004678
  - R-HEMBA1006092//H.Sapiens mRNA for alpha2-subunit of soluble guanylyl cyclase.//0.76//246//62//X63282 R-HEMBA1006406//Human DNA sequence from clone 113J7 on chromosome Xp11.22-11.4 Contains part of a putative Homeobox (pseudo?) gene, ESTs and an STS, complete sequence.//1.3e-31//297//77//AL023574
- 45 R-HEMBA1006650//Homo sapiens BAC clone BK085E05 from 22q12.1-qter, complete sequence.//1.8e-15//350//65//AC003071
  - R-HEMBA1006812//Homo sapiens chromosome X clone RP3-424J12, \*\*\* SEQUENCING IN PROGRESS \*\*\*, in unordered pieces.//1.8e-55//430//81//Z82207
  - R-HEMBB1000672//Homo sapiens clone UWGC:y54c283 from 6p21, complete sequence.//9.1e-39//437//71// AC006166
  - R-HEMBB1001197//Homo sapiens PAC clone DJ0964C11 from 7p14-p15, complete sequence.//1.5e-37//275//85//AC004593
  - R-HEMBB1001871//Plasmodium falciparum chromosome 12 clone 3D7, \*\*\* SEQUENCING IN PROGRESS \*\*\*, 5 unordered pieces.//0.00097//410//59//AC004688
- F-MAMMA1001252//Homo sapiens clone 201104, \*\*\* SEQUENCING IN PROGRESS \*\*\*, 4 unordered pieces.// 2.9e-13//364//64//AC004529
  - R-MAMMA1002094//HS\_3163\_A1\_A09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3163 Col=17 Row=A, genomic survey sequence.//5.9e-41//256//91//AQ141441

- R-NT2RM4000634//Homo sapiens chromosome 19, cosmid R30783, complete sequence.//1-6e-21//283//73// AC005258
- R-NT2RM4000657
- R-NT2RM4000783
- 5 R-NT2RM4000857//RPCI11-63K2.TK RPCI-11 Homo sapiens genomic clone RPCI-11-63K2, genomic survey sequence.//4.0e-07//62//98//AQ203073
  - R-NT2RM4001178
  - R-NT2RM4002420

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- R-NT2RP2000198//Homo sapiens Chromosome 16 BAC clone ClT987-SK37914 -complete genomic sequence, complete sequence.//0.58//108//67//AC002307
  - R-NT2RP2000551//Homo sapiens DNA, pseudoautosomal boundary-like sequence PABL2.//6.2e-72//391//87// D30043
  - R-NT2RP2000660//Homo sapiens chromosome 17, clone hRPK.640\_I\_15, complete sequence.//0.0058//166//69//AC005324
- R-NT2RF2001214//Saccharomyces douglasii mitochondrial tRNA-Ser and tRNA-Phe genes, partial sequence, and Var1p (var1) gene, mitochondrial gene encoding mitochondrial protein, complete cds.//0.93//117//65//U49822 R-NT2RP2001460
  - $R-NT2RP2001756//CIT-HSP-2382021.TR~CIT-HSP~Homo~sapiens~genomic~clone~2382021,~genomic~survey~sequence.\\//3.4e-91//507//92//AQ114228$
- R-NT2RP2002056//Homo sapiens DNA sequence from PAC 95C20 on chromosome Xp11.3-11.4. Contains STSs and the DXS7 locus with GT and GTG repeat polymorphisms, complete sequence.//0.00022//225//69//Z97181 R-NT2RP2002677//CIT-HSP-2349K20.TF CIT-HSP Homo sapiens genomic clone 2349K20, genomic survey sequence.//3.1e-29//178//94//AQ062168
  - R-NT2RP2002755//Human DNA sequence from cosmid U65A4, between markers DXS366 and DXS87 on chromosome X \*.//5.3e-39//449//72//Z81014
  - R-NT2RP2002843//Homo sapiens chromosome 17, clone hRPK.22\_N\_12, complete sequence.//0.0097//498//59//AC005412
  - R-NT2RP2003101//CIT-HSP-238301.TR CIT-HSP Homo sapiens genomic clone 238301, genomic survey sequence.//1.2e-32//344//75//AQ196754
- 30 R-NT2RP2003799///3.6e-05//408//60//AL010237
  - R-NT2RP2004095//Plasmodium falciparum chromosome 4 strain 3D7, \*\*\* SEQUENCING IN PROGRESS \*\*\*, in unordered pieces.//2.1e-10//455//61//AL034557
  - R-NT2RP2004732//Human DNA sequence from clone 703H14 on chromosome 1q23.2-24.3 Contains 3' end of a novel gene, ESTs, CA repeat(D1S445), STS, GSSs, complete sequence.//5.1e-51//383//74//AL031287
- R-NT2RP2004920//Homo sapiens chromosome 5, P1 clone 878H11 (LBNL H45), complete sequence.//0.062// 315//61//AC005219
  - R-NT2RP2005454//Human DNA sequence from PAC 121G13 on chromosome 6 contains flow sorted chromosome 6 HindDIII fragment ESTs. polymorphic CA repeat, CpG island, CpG island genomic fragments.//0.75//246//63//Z86062
- 40 R-NT2RP2005776//Homo sapiens PAC clone DJ1189D06 from 7p15.3-p14, complete sequence.//0.91//232//61// AC005232
  - R-NT2RP2005806//Human neurofibromatosis type 1 (NF1) gene, intron 19a, complete sequence.//1.3e-19//405//66//U37368
  - R-NT2RP2005882//Plasmodium falciparum MAL3P1, complete sequence.//1.1e-09//533//60//Z97348
- 45 R-NT2RP3001282//Plasmodium falciparum MAL3P8, complete sequence.//0.00026//499//58//AL034560
  R-NT2RP3001723//Human BAC clone RG354L07 from 7q31, complete sequence.//0.00035//337//61//AC002466
  R-NT2RP3002099//Homo sapiens chromosome 17, clone hCIT.296\_K\_1, complete sequence.//1.8e-44//307//86//AC005180
  - R-NT2RP3003155
- 50 R-NT2RP3004028//F14A6-Sp6 IGF Arabidopsis thaliana genomic clone F14A6, genomic survey sequence.//0.95// 95//65//B21351
  - R-OVARC1000008
  - R-OVARC1000724//Homo sapiens BAC clone RG017K18 from 7q31, complete sequence.//0.91//83//71// AC005161
- R-OVARC1000751//HS\_2222\_A2\_C09\_MR CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2222 Col=18 Row=E, genomic survey sequence.//2.8e-12//176//72//AQ033143
  R-OVARC1001029//Homo sapiens Xp22 Cosmid U151G1 (from Lawrence Livermore X library) and PAC RPCI1-93D11 (from Roswell Park Cancer Center) complete sequence.//1.2e-09//165//75//AC002357

R-PLACE1000814//Homo sapiens BAC clone GS465N13 from 7p15-p21, complete sequence.//6.2e-52//514//75// AC004744

R-PLACE1003030//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete cds.//9.6e-33//225//90//AF032387

F-PLACE10e5549//Arabidopsis thaliana genomic DNA, chromosome 5, TAC clone: K19P17, complete sequence.//0.097//323//61//AB007644

R-PLACE1007218//Homo sapiens chromosome 20 clone RP3-387E22, \*\*\* SEQUENCING IN PROGRESS \*\*\*, in unordered pieces.//1.1e-88//497//91//AL031660

10 Homology Search Result Data 10.

[0325] The result of the homology search of the Human Unigene using the clone sequence of 5'-end (54 clones selected in EXAMPLE 16.).

[0326] Data include

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the name of clone.

title of the top hit data,

the P-value: the length of the compared sequence: identity (%), and

the Accession No. of the top hit data, as in the order separated by //.

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[0327] Data are not shown for the clones in which the P-value was higher than 1.

F-HEMBA1000497//ou15a11.x1 Soares\_NFL\_T\_GBC\_S1 Homo sapiens cDNA clone IMAGE:1626332 3', mRNA sequence.//1.0//186//65//AI018130

<sup>25</sup> F-HEMBA1001750//Human mRNA for TI-227H.//2.5e-101//473//99//D50525

F-HEMBA1003854//Homo sapiens mRNA for KIAA1031 protein, partial cds.//7.2e-06//103//80//AB028954

F-HEMBA1004193//Homo sapiens mRNA for TL132.//0.75//334//59//AJ012755

F-HEMBA1004860//ny07e01.s1 NCI\_CGAP\_GCB1 Homo sapiens cDNA clone IMAGE:1271064 3' similar to contains Alu repetitive element;, mRNA sequence.//3.7e-06//140//70//AA749151

F-HEMBA1005572//HZF-16=Kruppel-related zinc finger gene homolog {alternatively spliced} [human, hepatoblastoma cell line, HEP-G2, mRNA, 2080 nt].//1.1e-48//341//77//S54641

F-HEMBA1006038//Homo sapiens gene for insulin receptor substrate-2, complete cds.//0.036//297//60// AB000732

F-HEMBA1006092//ab80f12.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:853295 3' similar to contains Alu repetitive element;, mRNA sequence.//0.65//150//63//AA663266

F-HEMBA1006406//ws26e11.x1 NCI\_CGAP\_GC6 Homo sapiens cDNA clone IMAGE:2498348 3' similar to TR: 002710 002710 GAG POLYPROTEIN; mRNA sequence.//1.4e-32//518//67//AI989639

F-HEMBA1006650//Homo sapiens Arp2/3 protein complex subunit p20-Arc (ARC20) mRNA, complete cds.//1.3e-19//136//90//AF006087

40 F-HEMBA1006812//zh49f01.s1 Soares\_fetal\_tiver\_spleen\_1NFLS\_S1 Homo sapiens cDNA clone IMAGE: 415417 3', mRNA sequence.//1.3e-120//579//98//W80404

F-HEMBB1000672//Homo sapiens mRNA for KIAA1040 protein, partial cds.//0.00047//706//57//AB028963

F-HEMBB1001197//tq45e03.x1 NCI\_CGAP\_Ut1 Homo sapiens cDNA clone IMAGE:2211772 3' similar to TR: 001940 001940 STRAWBERRY NOTCH;, mRNA sequence.//1.2e-16//117//92//AI580023

F-HEMBB1001871//Human chondroitin/dermatan sulfate proteoglycan (PG40) core protein mRNA, complete cds.//4.6e-26//527//62//M14219

F-MAMMA1001252

F-MAMMA1002094

F-NT2RM4000634//DKFZp434D1813\_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434D1813 5', mPNA sequence //9 7a 16//936//90/141 040436

mRNA sequence.//9.7e-16//226//69//AL040136

F-NT2RM4000657//Homo sapiens mRNA for KIAA1069 protein, partial cds.//7.6e-179//817//99//AB028992 F-NT2RM4000783//wd82f06.x1 NCI\_CGAP\_Lu24 Homo sapiens cDNA clone IMAGE:2338115 3', mRNA sequence.//1.8e-20//470//65//AI703299

F-NT2RM4000857//Homo sapiens KIAA0416 mRNA, partial cds.//1.9e-46//749//65//AB007876

F-NT2RM4001178//Homo sapiens protein tyrosine phosphatase (PAC-1) mRNA, complete cds.//0.0024//254//63//

F-NT2RM4002420//wg39f11.x1 Soares\_NSF\_F8\_9W\_OT\_PA\_P\_S1 Homo sapiens cDNA clone IMAGE: 2367501 3' similar to contains element L1 L1 repetitive element; mRNA sequence.//1.4e-13//127//84//AI742251

- F-NT2RP2000198//Human mRNA for platelet glycoprotein IX.//0.0033//241//62//X52997
- F-NT2RP2000551//ze37d12.s1 Soares retina N2b4HR Homo sapiens cDNA clone IMAGE:361175 3', mRNA sequence.//5.0e-07//116//71//AA017066
- F-NT2RP2000660//qx01g11.x1 NGI\_CGAP\_Br14 Homo sapiens cDNA clone IMAGE:1999364 3', mRNA sequence.//0.027//120//65//AI225283
- F-NT2RP2001214

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- F-NT2RP2001460//wb50h10.x1 NCI\_CGAP\_GC6 Homo sapiens cDNA clone IMAGE:2309155 3', mRNA sequence.//0.0013//89//78//AI651878
- F-NT2RP2001756//zw54e12.s1 Soares\_total\_fetus\_Nb2HF8\_9w Homo sapiens cDNA clone IMAGE:773902 3' similar to TR:G456660 G456660 ZINC FINGER PROTEIN ZFP-1; mRNA sequence.//2.3e-18//120//93//AA427992 F-NT2RP2002056//tw44g09.x1 NCI\_CGAP\_Ut1 Homo sapiens cDNA clone IMAGE:2262592 3' similar to contains Alu repetitive element; mRNA sequence.//2.4e-07//99//79//AI811687 F-NT2RP2002677
- F-NT2RP2002755//zj83d10.s1 Soares\_fetal\_liver\_spleen\_1NFLS\_S1 Homo sapiens cDNA clone IMAGE:461491
  3' similar to contains element TAR1 repetitive element; mRNA sequence.//1.9e-19//229//76//AA705059
  F-NT2RP2002843//wt88dl2.x1 NCI\_CGAP\_GC6 Homo sapiens cDNA clone IMAGE:2514551 3' similar to TR:
  P79522 P79522 MHC CLASS I REGION PROLINE RICH PROTEIN.; mRNA sequence.//8.2e-15//314//67//AI964055
  - F-NT2RP2003101//wi65a03.x1 NCI\_CGAP\_Kid12 Homo sapiens cDNA clone IMAGE:2398156 3', mRNA sequence.//0.38//106//68//AI763133
  - F-NT2RP2003799//Homo sapiens mRNA; cDNA DKFZp564C142 (from clone DKFZp564C142).//2.5e-29//124//91//AL049979
  - F-NT2RP2004095
  - F-NT2RP2004732//Homo sapiens mRNA for KIAA0884 protein, partial cds.//2.6e-109//533//96//AB020691
- F-NT2RP2004920//wz68d10.x1 NCI\_CGAP\_Mel15 Homo sapiens cDNA clone IMAGE:2563219 3' similar to TR: 000172 000172 LINE-1 REVERSE TRANSCRIPTASE;, mRNA sequence.//0.0020//220//61//AI969546 F-NT2RP2005454//Homo sapiens mRNA for KIAA0977 protein, complete cds.//0.058//143//69//AB023194 F-NT2RP2005776//H.sapiens PAP mRNA.//4.3e-35//451//68//X76770
  - F-NT2RP2005806//HSZ78328 Human fetal brain S. Meier-Ewert Homo sapiens cDNA clone 2.48 (CEPH) 3', mR-NA sequence.//2.0e-05//385//62//Z78328
  - F-NT2RP2005882//Human mRNA for KIAA0364 gene, complete cds.//7.3e-23//141//94//AB002362 F-NT2RP3001282
  - F-NT2RP3001723//ws73d05.x1 NCI\_CGAP\_Co3 Homo sapiens cDNA clone IMAGE:2503593 3' similar to contains MSR1.t1 TAR1 TAR1 repetitive element: mRNA sequence.//2.6e-07//245//66//AW008782
- F-NT2RP3002099//yg49d01.s1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:36239 3', mRNA sequence.//0.58//164//R46086
  - F-NT2RP3003155
  - F-NT2RP3004028//Homo sapiens mRNA for KIAA1074 protein, complete cds.//1.3e-29//488//66//AB028997
  - F-OVARC1000008//Homo sapiens mRNA for KIAA0665 protein, complete cds.//0.00032//430//59//AB014565
- F-OVARC1000724//Homo sapiens mRNA for KIAA0641 protein, complete cds.//0.0054//426//58//AB014541 F-OVARC1000751//Human Tis11d gene, complete cds.//4.6e-12//527//62//U07802
  - F-OVARC1001029//qv29c05.x1 NCI\_CGAP\_Ov31 Homo sapiens cDNA clone IMAGE:1982984 3' similar to contains element L1 repetitive element; mRNA sequence.//0.0012//145//68//AI252422
- F-PLACE1000814//ak42f05.s1 Soares\_testis\_NHT Homo sapiens cDNA clone IMAGE:1408641 3', mRNA sequence.//7.1e-31//275//76//AA868469
  - F-PLACE1003030
  - F-PLACE1005549//Homo sapiens mRNA for Rho guanine nucleotide-exchange factor, splice variant NET1A.// 1.2e-57//737//67//AJ010046
  - F-PLACE1007218//yo34a08.s1 Soares adult brain N2b4HB55Y Homo sapiens cDNA clone IMAGE:179798 3', mRNA sequence.//2.2e-21//216//76//H52716

Homology Search Result Data 11.

- [0328] The result of the homology search of the Human Unigene using the clone sequence of 3'-end (54 clones selected in EXAMPLE 16.).
  - [0329] Data include

the name of clone.

title of the top hit data,

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the P-value: the length of the compared sequence: identity (%), and

the Accession No. of the top hit data, as in the order separated by //.

- [0330] Blank indicates that the 3'-end sequence corresponding to the 5'-end was not determined in the clone.
   [0331] Data are not shown for the clones in which the P-value was higher than 1.
  - R-HEMBA1000497//np09h02.s1 NCI\_CGAP\_Pr3 Homo sapiens cDNA clone IMAGE:1115859 similar to contains Alu repetitive element; contains element MER22 repetitive element; mRNA sequence.//6.2e-38//185//83//AA614254
  - R-HEMBA1001750//yy71b10.s1 Soares\_multiple\_sclerosis\_2NbHMSP Homo sapiens cDNA clone IMAGE: 278971 3', mRNA sequence.//0.004511193//63//N63303
  - R-HEMBA1003854//Homo sapiens mRNA; cDNA DKFZp564F133 (from clone DKFZp564F133).//3.4e-72//310//80//AL049263
- R-HEMBA1004193//tr01e08.x1 NCI\_CGAP\_Ov23 Homo sapiens cDNA clone IMAGE:2217062 3' similar to contains Alu repetitive element; contains element MER4 repetitive element; mRNA sequence.//1.5e-33//186//81//AI914747
  - R-HEMBA1004860//qh16b06.x1 Soares\_NFL\_T\_GBC\_S1 Homo sapiens cDNA clone IMAGE:1844819 3', mRNA sequence.//0.017//118//69//Al218308
- 20 R-HEMBA1005572//wj16h05.x1 NCI\_CGAP\_Kid12 Homo sapiens cDNA clone IMAGE:2403033 3', mRNA sequence.//4.6e-111//522//99//AI861830
  - R-HEMBA1006038//DKFZp434E1117\_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434E1117\_5', mRNA sequence.//1.2e-22//295//72//AL041450
  - R-HEMBA1006092//qt30d09.x1 Soares\_pregnant\_uterus\_NbHPU Homo sapiens cDNA clone IMAGE: 1949489
  - 3' similar to contains element PTR5 repetitive element; mRNA sequence.//1.4e-87//422//98//AI337963
  - R-HEMBA1006406//Homo sapiens mRNA for KIAA0752 protein, partial cds.//4.1e-30//291-//76//AB018295 R-HEMBA1006650//H.sapiens mRNA for serine/threonine protein kinase EMK.//3.6e-09//319//62//X97630
  - R-HEMBA1006812//Human mRNA for KIAA0118 gene, partial cds.//3.1e-52//337//87//D42087
  - R-HEMBB1000672//Homo sapiens mRNA; cDNA DKFZp434M011 (from clone DKFZp434M011).//3.2e-48//276//74//AL096734
  - R-HEMBB1001197//zt35b11.r1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:724317 5' similar to contains Alu repetitive element; mRNA sequence.//9.9e-44//275//88//AA410788
  - R-HEMBB1001871//wg20c02.x1 Soares\_NSF\_F8\_9W\_OT\_PA\_P\_S1 Homo sapiens cDNA clone IMAGE: 2365634 3', mRNA sequence.//6.3e-104//501//98//AI741321
- R-MAMMA1001252//aa61h04.s1 NCI\_CGAP\_GCB1 Homo sapiens cDNA clone IMAGE:825463 3' similar to contains Alu repetitive element; contains element XTR repetitive element; mRNA sequence.//9.0e-19//127//91//AA504355
  - R-MAMMA1002094//wd28h12.x1 Soares\_NFL\_T\_GBC\_S1 Homo sapiens cDNA clone IMAGE:2329511 3', mR-NA sequence.//2.5e-68//328//99//AI936520
- 40 R-NT2RM4000634//DKFZp434F2016\_s1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434F2016 3', mRNA sequence.//8.2e-20//185//81//AL041146
  - R-NT2RM4000657//Homo sapiens mRNA for KIAA1069 protein, partial cds.//5.7e-62//335//94//AB028992 R-NT2RM4000783
  - R-NT2RM4000857//Human megakaryocyte stimulating factor mRNA, complete cds.//0.00074//360//61//U70136
- R-NT2RM4001178//tk08e03.x1 NCI\_CGAP\_Lu24 Homo sapiens cDNA clone IMAGE:2150428 3', mRNA sequence.//0.77//96//62//AI457506
  - R-NT2RM4002420//wi58b04.x1 NCI\_CGAP\_Bm25 Homo sapiens cDNA clone IMAGE:2429071 3', mRNA sequence.//2.4e-85//438//94//AI857508
  - R-NT2RP2000198//nx19b11.s1 NCI\_CGAP\_GC3 Homo sapiens cDNA clone IMAGE:1256541 3', mRNA sequence.//1.9e-45//270//91//AA738352
  - R-NT2RP2000551//tg80h11.x1 Soares\_NhHMPu\_S1 Homo sapiens cDNA clone IMAGE:2115141 3', mRNA sequence.//3.3e-53//311//85//Al417680
  - R-NT2RP2000660//ns42a06.s1 NCI\_CGAP\_GCB1 Homo sapiens cDNA clone IMAGE:1186258 3', mRNA sequence.//4.3e-26//142//97//AA805691
- F-NT2RP2001214//tw65g08.x1 NCI\_CGAP\_Ut3 Homo sapiens cDNA clone IMAGE:2264606 3' similar to contains element MSR1 repetitive element; mRNA sequence.//1.5e-57//289//97//AI680174
  R-NT2RP2001460
  - R-NT2RP2001756//zw54e12.s1 Soares\_total\_fetus\_Nb2HF8\_9w Homo sapiens cDNA clone IMAGE:773902 3'

- similar to TR:G456660 G456660 ZINC FINGER PROTEIN ZFP-1; mRNA sequence.//6.0e-13//85//96//AA427992 R-NT2RP2002056//yh26a12.s1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:130846 3', mRNA sequence.//0.0016//208//65//R22302
- R-NT2RP2002677//Homo sapiens mRNA for KIAA0524 protein, partial cds.//3.4e-26//339//71//AB011096
- 5 R-NT2RP2002755//qd50d10.x1 Soares\_fetal\_heart\_NbHH19W Homo sapiens cDNA clone IMAGE:1732915 3', mRNA sequence.//1.5e-26//419//66//AI190698
  - R-NT2RP2002843//at31f08.x1 Barstead colon HPLRB7 Homo sapiens cDNA clone IMAGE:2373639 3' similar to contains L1.t1 L1 repetitive element;, mRNA sequence.//1.8e-45//463//74//AI749673
  - R-NT2RP2003101//ty24h05.x1 NCI\_CGAP\_Ut3 Homo sapiens cDNA clone IMAGE:2280057 3', mRNA sequence.//7.5e-73//347//99//AI758824
    - R-NT2RP2003799//Homo sapiens mRNA for KIAA0751 protein, complete cds.//0.0026//247//65//AB018294 R-NT2RP2004095//zv08c02.s1 Soares\_NhHMPu\_S1 Homo sapiens cDNA clone IMAGE:753026 3' similar to contains element MER32 repetitive element; mRNA sequence.//9.6e-07//188//66//AA436455
  - R-NT2RP2004732//tu60a07.x1 NCI\_CGAP\_Gas4 Homo sapiens cDNA clone IMAGE:2255412 3' similar to contains Alu repetitive element;contains element L1 repetitive element; mRNA sequence.//4.3e-25//414//68//AI678956
    - R-NT2RP2004920//wd13h02.x1 NCI\_CGAP\_Co3 Homo sapiens cDNA clone IMAGE:2328051 3', mRNA sequence.//6.8e-91//483//93//AI694022
    - R-NT2RP2005454//yy77g09.s1 Soares\_multiple\_sclerosis\_2NbHMSP Homo sapiens cDNA clone IMAGE: 279616 3', mRNA sequence.//0.0070//325//59//N48302
    - R-NT2RP2005776//qq97d06.x1 Soares\_total\_fetus\_Nb2HF8\_9w Homo sapiens cDNA clone IMAGE:1939307 3', mRNA sequence.//7.5e-08//89//81338419
    - R-NT2RP2005806//wc29h01.x1 NCI\_CGAP\_Kid11 Homo sapiens cDNA clone IMAGE:2316625 3' similar to contains MER2.b3 MER2 repetitive element; mRNA sequence.//3.2e-16//235//71//Al671398
- 25 R-NT2RP2005882//wo31f09.x1 NCI\_CGAP\_Gas4 Homo sapiens cDNA clone IMAGE:2456969 3', mRNA sequence.//0.00095//352//59//AI925528
  - R-NT2RP3001282//wg35b03.x1 Soares\_NSF\_F8\_9W\_OT\_PA\_P\_S1 Homo sapiens cDNA clone IMAGE: 2367053 3', mRNA sequence.//1.7e-113//555//97//AI769199
  - R-NT2RP3001723//wo48e06.x1 NCI\_CGAP\_Gas4 Homo sapiens cDNA clone IMAGE:2458594 3', mRNA sequence.//4.2e-98//471//98//Al926617
  - $R-NT2RP3002099//DKFZp564L227\_s1\ 564\ (synonym: hfbr2)\ Homo\ sapiens\ cDNA\ clone\ DKFZp564L227\ 3',\ mR-NA\ sequence.//9.2e-50//329//87//AL037910$
  - R-NT2RP3003155//zp07a07.s1 Stratagene ovarian cancer (#937219) Homo sapiens cDNA clone IMAGE:595668 3', mRNA sequence.//1.4e-30//159//99//AA173172
- R-NT2RP3004028//Homo sapiens protein kinase C-alpha mRNA, partial 3' UTR.//0.43//66//75//AF035594
  R-OVARC1000008//wa69e12.x1 Soares\_NFL\_T\_GBC\_S1 Homo sapiens cDNA clone IMAGE:2301454 3', mRNA sequence.//1.0e-77//376//98//AI699393
  - R-OVARC1000724//tf94b10.x1 NCI\_CGAP\_CLL1 Homo sapiens cDNA clone IMAGE:2106907 3', mRNA sequence.//0.71//27//100//AI380236
- 40 R-OVARC1000751//og93d04.s1 NCI\_CGAP\_Kid5 Homo sapiens cDNA clone IMAGE:1455847 3', mRNA sequence.//3.5e-13//274//63//AA863306
  - R-OVARC1001029//yz96e02.r1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:290906 5' similar to contains Alu repetitive element;contains element PTR5 repetitive element; mRNA sequence//3.5e-13//175//74// N99464
- R-PLACE1000814//tg49a08.x1 Soares\_NFL\_T\_GBC\_S1 Homo sapiens cDNA clone IMAGE:2112086 3' similar to contains Ll.t2 L1 L1 repetitive element; mRNA sequence.//2.2e-18//285//69//AI424789
  - R-PLACE1003030//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete cds.//4.0e-34//225//90//AF032387
  - R-PLACE1005549//tm26b11.x1 Soares\_NFL\_T\_GBC\_S1 Homo sapiens cDNA clone IMAGE:2157693 3', mRNA sequence.//0.91//127//66//AI480253
  - R-PLACE1007218//yq06e01.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:196152 5' similar to contains Alu repetitive element;contains LTR4 repetitive element; mRNA sequence.//2.4e-36//245//87// R92256
- 55 Homology Search Result Data 12.

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[0332] Data obtained by the homology search for full-length nucleotide sequences and deduced amino acid sequences. Each data includes Clone name, Definition in hit data, P value, Length of sequence to be compared, Homology,

and Accession number (No.) of hit data. These items are shown in this order and separated by a double-slash mark, //.

```
C-HEMBA1000012//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE) (LEURS).//6.4E-99//457aa//45%//Q09996
```

- 5 C-HEMBA1000020//Homo sapiens beta 2 gene.//7.5E-264//1194bp//95%//X02344
  - C-HEMBA1000129//HYTOTHETICAL HELICASE C8A4.08C IN CHROMOSOME I.//3.8E-25//166aa//36%//Q09884
  - C-HEMBA1000201//Homo sapiensimRNA for integrase interactor 1b protein (INI1B).//0//1612bp//99%//AJ011738 C-HEMBA1000216//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PRO-
- 10 TEIN).//1E-86//146aa//56%//Q61221
  - C-HEMBA1000231
  - C-HEMBA1000264
  - C-HEMBA1000280
  - C-HEMBA1000282
- 15 C-HEMBA1000303//"Mus musculus Plenty of SH3s (POSH) mRNA, complete cds."//7.1E-254// 1440bp//87%//AF030131
  - C-HEMBA1000333//"Homo sapiens mRNA for KIAA0874 protein, partial cds."//4.8E-253//1148bp//99%//AB020681
  - C-HEMBA1000351
- 20 C-HEMBA1000356//Homo sapiens mRNA; cDNA DKFZp566C243 (from clone DKFZp566C243).//3.3E-287// 815bp//98%//AL050274
  - C-HEMBA1000396
  - C-HEMBA1000411//ANKYRIN.//5.7E-12//127aa//38%//Q02357
  - C-HEMBA1000442
- 25 C-HEMBA1000456
  - C-HEMBA1000504
  - C-HEMBA1000518//PECANEX PROTEIN.//2.1E-19//227aa//38%//P18490
  - C-HEMBA1000519
  - C-HEMBA1000523//TESTIS-SPECIFIC PROTEIN PBS13.//2.4E-44//292aa//36%//Q01755
- 30 C-HEMBA1000542//"Rattus norvegicus mRNA for dipeptidyl peptidase III, complete cds."//2.2E-194// 663bp//83%//D89340
  - C-HEMBA1000545
  - C-HEMBA1000557
  - C-HEMBA1000592//"Homo sapiens sorting nexin 6 (SNX6) mRNA, complete cds."//0//1465bp//99%//
- 35 AF121856
  - C-HEMBA1000594
  - C-HEMBA1000604
  - C-HEMBA1000622
  - C-HEMBA1000637
- 40 C-HEMBA1000655
  - C-HEMBA1000657//"Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds."//7.2E-156//1366bp//76%//U35776
  - C-HEMBA1000749
  - C-HEMBA1000769
- 45 C-HEMBA1000773
  - C-HEMBA1000774
  - C-HEMBA1000822
  - C-HEMBA1000843
  - C-HEMBA1000852//ARYLSULFATASE D PRECURSOR (EC 3.1.6.-) (ASD).//1E-78//119aa//87%//P51689
- 50 C-HEMBA1000870
  - C-HEMBA1000908
  - C-HEMBA1000934
  - C-HEMBA1000972
  - C-HEMBA1000986 C-HEMBA1000991
  - C-HEMBA1001008
    - C-HEMBA1001059//"Human N-acetylgalactosamine 6-sulphatase (GALNS) gene, exon 14."//4.8E-169//786bp//99%//U06088

C-HEMBA1001094

C-HEMBA1001302//"Homo sapiens calcium binding protein precursor, mRNA, complete cds."//9.6E-258//682bp//94%//AF153686

C-HEMBA1001330

5 C-HEMBA1001497

C-HEMBA1001569//SYNAPTOBREVIN 2 (VESICLE ASSOCIATED MEMBRANE PROTEIN 2) (VAMP-2).//2.3E-53//110aa//100%//P19065

C-HEMBA1001570

C-HEMBA1001620//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS).//1.6E-166//506aa//60%//

10 P42803

C-HEMBA1001640

C-HEMBA1001655

C-HEMBA1001672//"Homo sapiens methyl-CpG binding domain-containing protein MBD3 (MBD3) mRNA, complete cds."//0//1707bp//98%//AF072247

15 C-HEMBA1001711

C-HEMBA1001723//"Rattus norvegicus G beta-like protein GBL mRNA, complete cds."//4.7E-172// 1240bp//81%//AF051155

C-HEMBA1001746//"Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds."//7.6E-59//998bp//64%//AF098066

20 C-HEMBA1001781

C-HEMBA1001804//"Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds. "//0//1637bp//99%//AF125158

C-HEMBA1001822//"Mus musculus Ese2L protein mRNA, complete cds."//1.9E-235//1329bp//89%//AF132479

25 C-HEMBA1001824

C-HEMBA1001866//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT).//5.7E-51//234aa//41%//Q09332

C-HEMBA1001910

C-HEMBA1001913//GCN20 PROTEIN.//2.3E-81//158aa//50%//P43535

30 C-HEMBA1001921//"Homo sapiens germinal center kinase related protein kinase mRNA, complete cds. "//0//1850bp//99%//AF000145

C-HEMBA1001939

C-HEMBA1001950//"Homo sapiens mRNA for KIAA0971 protein, complete cds."//0//1974bp//99%//AB023188

35 C-HEMBA1001967//"Homo sapiens NY-REN-57 antigen mRNA, partial cds."//0//1721bp//99%// AF155114

C-HEMBA1002035//Homo sapiens mRNA; cDNA DKFZp586E0518 (from clone DKFZp586E0518).//0//2149bp//99%//AL050089

C-HEMBA1002092//"Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds.

40 "//1.3E-271//1583bp//88%//U92703

C-HEMBA1002102//ANKYRIN.//4.40E-10//106aa//35%//Q02357

C-HEMBA1002150

C-HEMBA1002151//"Rattus norvegicus p34 mRNA, complete cds."//1.1E-153//1059bp//82%// AF178669

45 C-HEMBA1002189

C-HEMBA1002215//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)].//2.2E-199//392aa//89%//P47226 C-HEMBA1002229

C-HEMBA1002241//PROLIFERATING-CELL NUCLEOLAR ANTIGEN P120 (PROLIFERATION-ASSOCIATED NUCLEOLAR PROTEIN P120).//3.70E-06//95aa//33%//P46087

50 C-HEMBA1002341//"Homo sapiens mRNA for KIAA0771 protein, partial cds."//0//1514bp//99%// AB018314

C-HEMBA1002417//"Homo sapiens chromosome 19, cosmid R28784, complete sequence."//1.4E-299//294bp//100%//AC005954

C-HEMBA1002547//"Homo sapiens agrin precursor mRNA, partial cds."//0//1605bp//97%//AF016903

55 C-HEMBA1002703

C-HEMBA1002779

C-HEMBA1002816

C-HEMBA1002970

```
C-HEMBA1002999//"Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds.
        "//1.4E-171//1552bp//75%//U20286
        C-HEMBA1003021
        C-HEMBA1003077//SLIT PROTEIN PRECURSOR.//2.6E-15//199aa//31%//P24014
5
        C-HEMBA1003079
        C-HEMBA1003273
        C-HEMBA1003304
        C-HEMBA1003309
        C-HEMBA1003376
10
        C-HEMBA1003384
        C-HEMBA1003531
        C-HEMBA1003548
        C-HEMBA1003556
        C-HEMBA1003571
15
        C-HEMBA1003579
        C-HEMBA1003684//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN).//2E-73//526aa//32%//Q13105
        C-HEMBA1003692
        C-HEMBA1003720
        C-HEMBA1003725
20
        C-HEMBA1003729
        C-HEMBA1003758
        C-HEMBA1003773//"Mus musculus signal recognition particle receptor beta subunit mRNA, complete cds.
        "//5.8E-81//511bp//86%//U17343
        C-HEMBA1003783//"Mus musculus bromodomain-containing protein BP75 mRNA, complete cds."//
25
        1.1E-190//1204bp//84%//AF084259
        C-HEMBA1003799
        C-HEMBA1003804
        C-HEMBA1003805//"Mus musculus KH domain RNA binding protein QKI-5A mRNA, complete cds."//
        0//988bp//95%//AF090402
        C-HEMBA1003836//MOB1 PROTEIN (MPS1 BINDER 1).//8.10E-31//134aa//52%//P40484
30
        C-HEMBA1003856
        C-HEMBA1003866//"Mus musculus semaphorin VIa mRNA, complete cds."//1.2E-105//1192bp//70%//
        AF030430
        C-HEMBA1003879
35
        C-HEMBA1003880
        C-HEMBA1003893
        C-HEMBA1003908
        C-HEMBA1003937
        C-HEMBA1003942
40
        C-HEMBA1003958
        C-HEMBA1003976
        C-HEMBA1003978//"Homo sapiens mRNA for KIAA0840 protein, partial cds."//0//1530bp//100%//
        AB020647
        C-HEMBA1003985
45
        C-HEMBA1004011
        C-HEMBA1004024
        C-HEMBA1004038
        C-HEMBA1004045
        C-HEMBA1004048
50
        C-HEMBA1004111//" Homo sapiens mRNA for KIAA1276 protein, partial cds." //1.00E-163//751bp//
        99%//AB033102
        C-HEMBA1004131//SEPTIN 2 HOMOLOG (FRAGMENT).//1.6E-166//416aa//72%//Q14141
        C-HEMBA1004138
        C-HEMBA1004143
55
        C-HEMBA1004150
       C-HEMBA1004168//"Homo sapiens geminin mRNA, complete cds."//3.9E-208//951 bp//99%//
        AF067855
        C-HEMBA1004200
```

```
C-HEMBA1004202//RAS-RELATED PROTEIN RAB-13.//6.2E-30//208aa//37%//P51153
         C-HEMBA1004203//NUCLEOLAR PROTEIN NOP2.//1.5E-12//258aa//29%//P40991
         C-HEMBA1004238
         C-HEMBA1004248//"Homo sapiens insulin induced protein 2 mRNA, complete cds."//8.20E-175//
         552bp//97%//AF125392
         C-HEMBA1004272
         C-HEMBA1004274
         C-HEMBA1004275//"Homo sapiens mRNA for KIAA1111 protein, partial cds."//0//1341bp//99%//
         AB029034
        C-HEMBA1004286//"Homo sapiens TGF beta receptor associated protein-1 mRNA, complete cds."//
10
         0//1982bp//99%//AF022795
         C-HEMBA1004312
        C-HEMBA1004321//ZINC FINGER PROTEIN 184 (FRAGMENT).//2.3E-93//357aa//42%//Q99676
         C-HEMBA1004323
15
        C-HEMBA1004327
        C-HEMBA1004330
        C-HEMBA1004341
        C-HEMBA1004366
        C-HEMBA1004372
20
        C-HEMBA1004389//" Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.
        "//0//1437bp//99%//AF125158
        C-HEMBA1004394
        C-HEMBA1004408//PEPTIDYL-PROLYL CIS-TRANS ISOMERASE 10 (EC 5.2.1.8) (PPIASE) (ROTAMASE) (CY-
        CLOPHILIN-10).//3.2E-32//148aa//52%//P52017
25
        C-HEMBA1004429
        C-HEMBA1004460
        C-HEMBA1004461
        C-HEMBA1004502
        C-HEMBA1004554
30
        C-HEMBA1004560
        C-HEMBA1004610
        C-HEMBA1004629
        C-HEMBA1004632
        C-HEMBA1004637
35
        C-HEMBA1004670
        C-HEMBA1004672
        C-HEMBA1004697
        C-HEMBA1004711
        C-HEMBA1004725
40
        C-HEMBA1004730
        C-HEMBA1004734//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN
        LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42).//9.9E-39//143aa//52%//P42743
        C-HEMBA1004751
        C-HEMBA1004752
45
        C-HEMBA1004889//"Human C3f mRNA, complete cds."//6.70E-24//341aa//26%//U72515
        C-HEMBA1004934
        C-HEMBA1004944
        C-HEMBA1004973
        C-HEMBA1004977
50
        C-HEMBA1005009//" Homo sapiens BAF53a (BAF53a) mRNA, complete cds. " //0//1813bp//99%//
        AF041474
        C-HEMBA1005083
        C-HEMBA1005113
        C-HEMBA1005133
55
        C-HEMBA1005185
        C-HEMBA1005219//NUCLEAR PROTEIN SNF7.//5.3E-10//189aa//25%//P39929
        C-HEMBA1005252//" Homo sapiens mRNA for KIAA0585 protein, partial cds. " // 1.2E-268//1215bp//
```

99%//AB011157

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C-HEMBA1005296
        C-HEMBA1005314
        C-HEMBA1005331
        C-HEMBA1005394
5
        C-HEMBA1005403
        C-HEMBA1005423//" Homo sapiens cyclin-dependent kinase inhibitor (CDKN2C) mRNA, complete cds.
        "//2E-213//537bp//99%//AF041248
        C-HEMBA1005468
        C-HEMBA1005469
10
        C-HEMBA1005474
        C-HEMBA1005517
        C-HEMBA1005518
        C-HEMBA1005528//CCR4-ASSOCIATED FACTOR 1 (CAF1).//3.1E-154//285aa//99%//Q60809
        C-HEMBA1005558//NUCLEAR PROTEIN SNF7.//6.40E-16//170aa//31%//P39929
15
        C-HEMBA1005576//"Homo sapiens mRNA for KIAA0463 protein, partial cds."//1.1E-181//835bp//
        99%//AB007932
        C-HEMBA1005582//"TROPOMYOSIN 1, NON-MUSCLE ISOFORM (TROPOMYOSIN II) (CYTOSKELETAL
        TROPOMYOSIN)."//0.00000009//213aa//27%//P09492
        C-HEMBA1005583
20
        C-HEMBA1005595//"DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC)."//2.3E-54//562aa//29%//P34036
        C-HEMBA1005609//Homo sapiens mRNA; cDNA DKFZp564K133 (from clone DKFZp564K133).//2.2e-315//
        1448bp//99%//AL050012
        C-HEMBA1005621//"Homo sapiens Mad2B protein (MAD2B) mRNA, complete cds."//2.9E-224//
        1031bp//99%//AF139365
25
        C-HEMBA1005666
        C-HEMBA1005680
        C-HEMBA1005685
        C-HEMBA1005737//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT).//
        4.4E-17//167aa//34%//P25296
30
        C-HEMBA1005746
        C-HEMBA1005755
        C-HEMBA1005813
        C-HEMBA1005822
        C-HEMBA1005834
35
        C-HEMBA1005884
        C-HEMBA1005891
        C-HEMBA1005909
        C-HEMBA1005911
        C-HEMBA1005931
40
        C-HEMBA1005963
        C-HEMBA1005991
        C-HEMBA1006005
        C-HEMBA1006031//"Homo sapiens mRNA for putative phospholipase, complete cds."//0//1413bp//
        99%//AB019435
45
        C-HEMBA1006067
        C-HEMBA1006081
        C-HEMBA1006091
        C-HEMBA1006100
        C-HEMBA1006108//" Homo sapiens mRNA for KIAA0943 protein, partial cds." //4.8E-245//764bp//
50
        99%//AB023160
        C-HEMBA1006121
        C-HEMBA1006130//SEL-10 PROTEIN.//0.000000043//219aa//25%//Q93794
        C-HEMBA1006158//" Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene, complete cds. "
55
        //0//1551bp//99%//AF048693
        C-HEMBA1006182
        C-HEMBA1006198//PROLINE-RICH PROTEIN MP-2 PRECURSOR.//1.9E-19//215aa//39%//P05142
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C-HEMBA1006235//Homo sapiens clone 24422 mRNA sequence.//0//1615bp//99%//AF070557

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C-HEMBA1006253//DNA-DAMAGE-REPAIR/TOLERATION PROTEIN DRT111 PRECURSOR.//0.00000002//
         62aa//53%//P42698
         C-HEMBA1006259
         C-HEMBA1006272//RETROVIRUS-RELATED PROTEASE (EC 3.4.23.-).//1.3E-123//200aa//73%//P10265
 5
         C-HEMBA1006278//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-
         FERASE).//1E-210//490aa//77%//P25500
         C-HEMBA1006283//NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB2.//0.000000012//176aa//
         30%//P32505
         C-HEMBA1006284
10
         C-HEMBA1006291//2-ARYLPROPIONYL-COA EPIMERASE (EC 5.-.-.).//4.2E-12//215aa//23%//P70473
         C-HEMBA1006293
         C-HEMBA1006309//HYPOTHETICAL 54.2 KD PROTEIN IN ERP5-ORC6 INTERGENIC REGION.//1.4E-48//
         248aa//43%//P38821
         C-HEMBA1006349
15
         C-HEMBA1006364
         C-HEMBA1006381
         C-HEMBA1006398//"Human L1 element L1.6 putative p150 gene, complete cds."//2E-277//1729bp//
         85%//U93563
         C-HEMBA1006445//"Homo sapiens putative tumor supressor NOEY2 mRNA, complete cds."//1.4E-
20
        270//1224bp//100%//U96750
        C-HEMBA1006483
        C-HEMBA1006492
        C-HEMBA1006497
        C-HEMBA1006502
25
        C-HEMBA1006507//"Homo sapiens mRNA for KIAA0666 protein, partial cds."//0//2334bp//99%//
        AB014566
        C-HEMBA1006535
        C-HEMBA1006559//"Mus musculus PRAJA1 (Praja1) mRNA, complete cds."//2.8E-206//1107bp//83
        %//U06944
30
        C-HEMBA1006566
        C-HEMBA1006579
        C-HEMBA1006583
        C-HFMBA1006612
        C-HEMBA1006624//DNA/PANTOTHENATE METABOLISM FLAVOPROTEIN HOMOLOG.//0.00000069//109aa//
35
        38%//Q58323
        C-HEMBA1006643
        C-HEMBA1006674
        C-HEMBA1006682
        C-HEMBA1006708//HYPOTHETICAL 46.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMC1-TFG2
        INTERGENIC REGION.//3.3E-22//241aa//31%//P53196
40
        C-HEMBA1006717
        C-HEMBA1006744
        C-HEMBA1006754
        C-HEMBA1006767
45
        C-HEMBA1006789
        C-HEMBA1006832
        C-HEMBA1006885//"Homo sapiens gene for Proline synthetase associated, complete cds."//0//
        1467bp//96%//AB018566
        C-HEMBA1006900
50
        C-HEMBA1006926
        €-HEMBA1006941//Homo sapiens mRNA for putative thioredoxin-like protein.//1.8E-226//1039bp//99%//
        C-HEMBA1006973//"Homo sapiens rab3-GAP regulatory domain mRNA, complete cds."//5.6E-143//
        740bp//94%//AF004828
55
        C-HEMBA1006993
        C-HEMBA1007002
        C-HEMBA1007062
        C-HEMBA1007080
```

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C-HEMBA1007087//HYPOTHETICAL PROTEIN MJ0162.//2E-45//304aa//32%//Q57626
         C-HEMBA1007112//Homo sapiens mRNA; cDNA DKFZp586C1817 (from clone DKFZp586C1817).//0//1619bp//
         99%//AL117450
         C-HEMBA1007194//" Homo sapiens origin recognition complex subunit 6 (ORC6) mRNA, complete cds.
 5
         "//0//1588bp//99%//AF139658
         C-HEMBA1007206
        C-HEMBA1007256
        C-HEMBA1007267
        C-HEMBA1007281
10
        C-HEMBA1007300//" Homo sapiens 3',5'-cyclic nucleotide phosphodiesterase 10A1 (PDE10A) mRNA,
        splice variant 1, complete cds."//0//1519bp//99%//AF127479
        C-HEMBA1007301
        C-HEMBA1007319
        C-HEMBA1007320
15
        C-HEMBA1007327
        C-HEMBA1007347
        C-HEMBB1000005
        C-HEMBB1000030
        C-HEMBB1000048
20
        C-HEMBB1000099
        C-HEMBB1000141
        C-HEMBB1000198
        C-HEMBB1000217//" Homo sapiens SUMO-1-activating enzyme E1 N subunit (SUA1) mRNA, complete cds.
        "//0//1038bp//99%//AF090385
25
        C-HEMBB1000218
        C-HEMBB1000274
        C-HEMBB1000312
        C-HEMBB1000402
        C-HEMBB1000420
30
        C-HEMBB1000480
        C-HEMBB1000530
        C-HEMBB1000550
        C-HEMBB10000556//"Homo sapiens mRNA for KIAA0750 protein, complete cds."//6.3E-74//1213bp//
        64%//AB018293
35
        C-HEMBB1000586
        C-HEMBB1000592
        C-HEMBB1000593//" Homo sapiens transferrin receptor 2 alpha (TFR2) mRNA, complete cds." //1.3E-
        107//503bp//99%//AF067864
        C-HEMBB1000649
40
        C-HEMBB1000693//"Homo sapiens neuroan1 mRNA, complete cds."//0//2952bp//94%//AF040723
        C-HEMBB1000822
        C-HEMBB1000826
        C-HEMBB1000890
        C-HEMBB1000915//SUBTILISIN-LIKE PROTEASE PACE4 PRECURSOR (EC 3.4.21.-).//1.10E-08//129aa//
45
        31%//P29122
        C-HEMBB1001008
        C-HEMBB1001020//"Homo sapiens mRNA for KIAA0889 protein, complete cds."//0//1812bp//98%//
        AB020696
        C-HEMBB1001051
50
        C-HEMBB1001112//"Homo sapiens sec61 homolog mRNA, complete cds."//6E-145//961bp//83%//
        AF077032
        C-HEMBB1001234//65 KD YES-ASSOCIATED PROTEIN (YAP65).//5.4E-93//196aa//54%//P46938
        C-HEMBB1001282//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//7E-43//394aa//34%//
55
        P16157
        C-HEMBB1001302
       C-HEMBB1001335
       C-HEMBB1001337
```

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C-HEMBB1001356
         C-HEMBB1001364
         C-HEMBB1001366
         C-HEMBB1001367
 5
         C-HEMBB1001527
         C-HEMBB1001537
         C-HEMBB1002359
         C-HEMBB1002415
         C-HEMBB1002457
10
         C-HEMBB1002492
         C-HEMBB1002495
         C-HEMBB1002502
         C-HEMBB1002550//HYPOTHETICAL UOG-1 PROTEIN.//5E-28//266aa//33%//P27544
         C-HEMBB1002600//"Homo sapiens tetraspan NET-5 mRNA, complete cds."//0//1417bp//99%//
15
         C-HEMBB1002607//" Homo sapiens vitamin D3 receptor interacting protein (DRIP80) mRNA, complete cds.
         "//2E-136//660bp//98%//AF105421
         C-HEMBB1002684
         C-HEMBB1002692
20
        C-HEMBB1002697
        C-HEMBB1002705//"Homo sapiens CGI-27 protein mRNA, complete cds."//7.80E-285//841bp//96%//
        AF132961
        C-MAMMA1000019
        C-MAMMA1000020//H.sapiens mRNA for flavin-containing monooxygenase 5 (FM05).//8.2E-198//868bp//99%//
25
        Z47553
        C-MAMMA1000025
        C-MAMMA1000055//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)].//1.5E-90//323aa//48%//P47226
        C-MAMMA1000069
        C-MAMMA1000084
30
        C-MAMMA1000139
        C-MAMMA1000163
        C-MAMMA1000171
        C-MAMMA1000173//" Homo sapiens src homology 3 domain-containing protein HIP-55 mRNA, complete
        cds."//2.6E-164//1044bp//87%//AF197060
35
        C-MAMMA1000277
        C-MAMMA1000278
        C-MAMMA1000284//P.walti mRNA for mp associated protein 55.//2.2E-109//864bp//76%//X99836
        C-MAMMA1000309
        C-MAMMA1000312
40
        C-MAMMA1000313
        C-MAMMA1000361
        C-MAMMA1000388//" Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds. " //
        0//1466bp//99%//AB015132
        C-MAMMA1000395
45
        C-MAMMA1000410
        C-MAMMA1000416//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III.//2.00E-30//119aa//
        53%//Q09232
        C-MAMMA1000421
        C-MAMMA1000422
50
        C-MAMMA1000468
        C-MAMMA1000472
        C-MAMMA1000490
        C-MAMMA1000524
        C-MAMMA1000567
55
        C-MAMMA1000612//"Rattus norvegicus G beta-like protein GBL mRNA, complete cds."//1E-95//
        1115bp//72%//AF051155
        C-MAMMA1000623
```

C-MAMMA1000625//GYP7 PROTEIN.//2.1E-41//198aa//40%//P48365

|     | C-MAMMA1000664  |
|-----|---|
|     | C-MAMMA1000670  |
|     | C-MAMMA1000672//VITELLOGENIC CARBOXYPEPTIDASE PRECURSOR (EC 3.4.16).//4.4E-33//250aa//  |
| 5   | 33%//P42660<br>C MAMMA 1000742/// PIPLII OKINA OF (FO. 0. 7.4.40) //7.70F 17//0.40   (1000) //7.70F 17//0.40  |
| J   | C-MAMMA1000713//L-RIBULOKINASE (EC 2.7.1.16).//7.70E-17//246aa//29%//P94524 C-MAMMA1000731//CHROMODOMAIN-HELICASE-DNA-BINDING PROTEIN 1 (CHD-1).//1E-77//395aa//45%// |
|     | 014646  |
|     | C-MAMMA1000734//Homo sapiens mRNA for SEC63 protein.//0//1587bp//99%//AJ011779  |
|     | C-MAMMA1000738//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I.//9E-299//1033aa//  |
| 10  | 55%//P87115   |
|     | C-MAMMA1000746  |
|     | C-MAMMA1000775  |
|     | C-MAMMA1000824//ACTIN.//6.2E-20//284aa//28%//P53500   |
| 45  | C-MAMMA1000831  |
| 15  | C-MAMMA1000841//PUTATIVE AMIDASE (EC 3.5.1.4).//7.8E-40//101aa//54%//027540   |
|     | C-MAMMA1000842<br>C-MAMMA1000843  |
|     | C-MAMMA1000856  |
|     | C-MAMMA1000865  |
| 20  | C-MAMMA1000875  |
|     | C-MAMMA1000906  |
|     | C-MAMMA1000908  |
|     | C-MAMMA1000914  |
| 0.5 | C-MAMMA1000956//Homo sapiens CLDN8 gene for claudin-8.//0//1767bp//99%//AJ250711  |
| 25  | C-MAMMA1000968  |
|     | C-MAMMA100100979  |
|     | C-MAMMA1001008//"Homo sapiens aspartic-like protease mRNA, complete cds."//2.50E-276// 1263bp//99%//AF117892  |
|     | C-MAMMA1001021  |
| 30  | C-MAMMA1001041//"SPECTRIN BETA CHAIN, BRAIN (SPECTRIN, NON-ERYTHROID BETA CHAIN)  |
|     | (FODRIN BETA CHAIN) (SPTBN1)."//1.6E-16//113aa//41%//Q01082   |
|     | C-MAMMA1001059//Homo sapiens mRNA for DEAD Box Protein 5.//0//1440bp//99%//AJ237946   |
|     | C-MAMMA1001075//"Homo sapiens CGI-72 protein mRNA, complete cds."//1.3E-181//397bp//98%//   |
|     | AF151830  |
| 35  | C-MAMMA1001078  |
|     | C-MAMMA1001091  |
|     | C-MAMMA1001105//OVO PROTEIN (SHAVEN BABY PROTEIN).//4E-49//125aa//68%//P51521<br>C-MAMMA1001110   |
|     | C-MAMMA1001126  |
| 40  | C-MAMMA1001139//SRE-2 PROTEIN.//5.80E-35//239aa//38%//Q09273  |
|     | C-MAMMA1001143  |
|     | C-MAMMA1001154  |
|     | C-MAMMA1001181//ABC1 PROTEIN HOMOLOG PRECURSOR.//1.30E-07//81aa//45%//Q92338  |
| 45  | C-MAMMA1001215  |
| 45  | C-MAMMA1001244  |
|     | C-MAMMA1001259//" Mus musculus F-box protein FBX18 mRNA, partial cds." //2.3E-271//1414bp//89%//AF184275  |
|     | C-MAMMA1001260//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//2.1E-52//630aa//   |
|     | 30%//P34537   |
| 50  | C-MAMMA1001343  |
|     | C-MAMMA1001411//Homo sapiens mRNA; cDNA DKFZp56400823 (from clone DKFZp56400823).//0//2131bp//  |
|     | 99%//AL080121   |
|     | C-MAMMA1001419  |
| 5.5 | C-MAMMA1001476//URIDINE KINASE (EC 2.7.1.48) (URIDINE MONOPHOSPHOKINASE) (FRAGMENT).//  |
| 55  | 6.5E-129//260aa//92%//P52623  |
|     | C-MAMMA1001510<br>C-MAMMA1001522  |
|     | C-MAMMA1001576//"Human gamma-tubulin mRNA, complete cds."//7.5E-276//1561bp//90%//  |
|     | - maximum restrict or adjust, ruman gamma-tubum mixiyA, complete cas.αquot;//.οΕ-2/6//156/169//90%//  |

|     | M61764  |
|-----|---|
|     | C-MAMMA1001604  |
|     | C-MAMMA1001620  |
|     | C-MAMMA1001635  |
| 5   | C-MAMMA1001649  |
|     | C-MAMMA1001686  |
|     | C-MAMMA1001692  |
|     | C-MAMMA1001743//Y BOX BINDING PROTEIN-1 (Y-BOX TRANSCRIPTION FACTOR).//8.5E-32//171aa//36%/     |
|     | P21573  |
| 10  |   |
| ,•  | C-MAMMA1001754//"Homo sapiens CGI-11 protein mRNA, complete cds."//0//1837bp//98%//<br>AF132945 |
|     | C-MAMMA1001757  |
|     | C-MAMMA1001764  |
|     |   |
| 15  | C-MAMMA1001768//CELL DIVISION CYCLE PROTEIN 48 HOMOLOG MJ1156.//3.8E-45//351aa//38%//Q58556     |
| ,,, | C-MAMMA1001771//M.musculus mRNA for semaphorin B.//2.60E-200//1272bp//79%//X85991               |
|     | C-MAMMA1001790  |
|     | C-MAMMA1001837//ZINC FINGER PROTEIN 29 (ZFP-29).//2.6E-77//507aa//38%//Q07230                   |
|     | C-MAMMA1001858  |
| 20  | C-MAMMA1001868//TRICHOHYALIN.//2.7E-19//359aa//25%//P22793                                      |
| 20  | C-MAMMA1001970  |
|     | C-MAMMA1002042  |
|     | C-MAMMA1002068  |
|     | C-MAMMA1002153  |
|     | C-MAMMA1002156  |
| 25  | C-MAMMA1002170//40S RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN).//6E-66//157aa//70%//P15880      |
|     | C-MAMMA1002174  |
|     | C-MAMMA1002209  |
|     | C-MAMMA1002219//"Homo sapiens mRNA for KIAA1067 protein, partial cds."//1.1E-181//861bp//       |
|     | 98%//AB028990   |
| 30  | C-MAMMA1002236//TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EX-          |
|     | CHANGE FACTOR).//8.8E-217//310aa//86%//P70541   |
|     | C-MAMMA1002243  |
|     | C-MAMMA1002268//"Mus musculus sphingosine kinase (SPHKIa) mRNA, partial cds."//1E-190//         |
|     | 1624bp//76%//AF068748   |
| 35  | C-MAMMA1002269  |
|     | C-MAMMA1002292  |
|     | C-MAMMA1002294  |
|     | C-MAMMA1002297//Homo sapiens mRNA for Rab6 GTPase activating protein.//1.1E-214//881bp//97%//   |
|     | AJ011679  |
| 40  | C-MAMMA1002312  |
|     | C-MAMMA1002329//M.musculus mRNA for semaphorin B.//3.80E-45//332bp//84%//X85991                 |
|     | C-MAMMA1002333  |
| •   | C-MAMMA1002351//FERRIPYOCHELIN BINDING PROTEIN.//0.000078//127aa//26%//P40882                   |
|     | C-MAMMA1002353  |
| 45  | C-MAMMA1002355  |
|     | C-MAMMA1002356  |
|     | C-MAMMA1002362  |
|     | C-MAMMA1002380  |
|     | C-MAMMA1002384  |
| 50  | C-MAMMA1002427  |
|     | C-MAMMA1002470//PROBABLE NH(3)-DEPENDENT NAD(+) SYNTHETASE (EC 6.3.5.1).//1E-11//128aa//36%//   |
|     | P47623  |
|     | C-MAMMA1002485//" Homo sapiens stanniocalcin-related protein mRNA, complete cds." //0//1822bp// |
|     | 99%//AF098462   |
| 55  | C-MAMMA1002494  |
|     | C-MAMMA1002524//HYPOTHETICAL 117.8 KD PROTEIN IN STE2-FRS2 INTERGENIC REGION.//1.2E-34//        |
|     | 337aa//31%//P43571  |

C-MAMMA1002530//"Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete

EP 1 074 617 A2 cds."//0//1910bp//99%//AF065214 C-MAMMA1002554 C-MAMMA1002585//"Homo sapiens mRNA for KIAA0860 protein, complete cds."//0//1405bp//99%// AB020667 C-MAMMA1002598 C-MAMMA1002619//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-ZYME).//9.5E-16//159aa//37%//Q09931 C-MAMMA1002655//"Homo sapiens mRNA for ganglioside sialidase, complete cds."//0//1515bp// 99%//AB008185 C-MAMMA1002671//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL-AC-TIVATING ENZYME).//1.1E-45//618aa//26%//P27550 C-MAMMA1002673 C-MAMMA1002684//"Homo sapiens mRNA for KIAA0214 protein, complete cds."//0//3174bp//99%// D86987 C-MAMMA1002711 C-MAMMA1002769//"Homo sapiens cell cycle progression restoration 8 protein (CPR8) mRNA, complete cds."//2.2E-25//330bp//77%//AF011794 C-MAMMA1002775 C-MAMMA1002782 C-MAMMA1002796 C-MAMMA1002807 C-MAMMA1002838 C-MAMMA1002842//" Mus musculus c-Cb1 associated protein CAP mRNA, complete cds. " //2.6E-58// 373bp//81%//U58883 C-MAMMA1002869//PINCH PROTEIN (PARTICULARY INTERESTING NEW CYS-HIS PROTEIN).//1.4E-160// 305aa//85%//P48059 C-MAMMA1002881//GLIOMA PATHOGENESIS-RELATED PROTEIN (RTVP-1 PROTEIN).//5.7E-30//214aa// 35%//P48060 C-MAMMA1002886 C-MAMMA1002890 C-MAMMA1002938//" Homo sapiens mRNA for KIAA0698 protein, complete cds. " //8.4E-252//1139bp// 100%//AB014598 C-MAMMA1002964 C-MAMMA1003011//HESTONE MACRO-H2A.1.//2.7E-123//370aa//66%//Q02874 C-MAMMA1003013//DNA POLYMERASE BETA (EC 2.7.7.7).//7.4E-46//332aa//36%//P06746 C-MAMMA1003015 C-MAMMA1003019 C-MAMMA1003035//RIBOSOMAL LARGE SUBUNIT PSEUDOURIDINE SYNTHASE C (EC 4.2.1.70) (PSEU-DOURIDYLATE SYNTHASE) (URACIL HYDROLYASE).//1.9E-13//108aa//33%//P23851 C-MAMMA1003039 C-MAMMA1003044 C-MAMMA1003049 C-MAMMA1003056 C-MAMMA1003057//MD6 PROTEIN.//3.1E-225//419aa//97%//Q60584 C-MAMMA1003066 C-MAMMA1003099 C-MAMMA1003104 C-MAMMA1003113//"Mus musculus COP9 complex subunit 7a (COPS7a) mRNA, complete cds."//

1.1E-234//1178bp//86%//AF071316

C-MAMMA1003127//MYOSIN I ALPHA (MMI-ALPHA).//2.2E-105//217aa//89%//P46735

C-MAMMA1003135

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C-MAMMA1003146//Homo sapiens mRNA for GalT3 protein.//4.3E-218//996bp//99%//Y15062

C-MAMMA1003150//"Homo sapiens mRNA for KIAA1096 protein, partial cds."/0//1342bp//99%//AB029019

C-MAMMA1003166//"Homo sapiens MLL septin-like fusion protein (MSF) mRNA, complete cds."// 3.10E-158//592bp//97%//AF123052

C-NT2RM1000032

C-NT2RM1000035//"Human mRNA for KIAA0199 gene, partial cds."//0//2948bp//99%//D83782 C-NT2RM1000039//HYPOTHETICAL 41.4 KD PROTEIN IN SRLQ-HYPF INTERGENIC REGION (EC 1.18.1.-) (ORF4) (ORF2).//2.90E-14//299aa//25%//P37596

C-NT2RM1000055//"Homo sapiens mRNA for KIAA0829 protein, partial cds."//0//3111bp//99%//AB020636

C-NT2RM1000059

C-NT2RM1000062

C-NT2RM1000118//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CALCINEURIN REGULATORY SUBUNIT).//1.2E-10//150aa//28%//P87072

10 C-NT2RM1000119

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C-NT2RM1000127

C-NT2RM1000131//"Homo sapiens mRNA for KIAA0792 protein, complete cds."//0//2980bp//99%// AB018335

C-NT2RM1000132//" Homo sapiens NADH: ubiquinone oxidoreductas NDUFS6 subunit mRNA, nuclear gene encoding mitochondrial protein, complete cds. "//7.8E-110//516bp//99%//AF044959

C-NT2RM1000153//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5).//3.3E-3 8//469aa//27%//P49902
C-NT2RM1000186//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CALCINEURIN REGULATORY SUBUNIT).//1.2E-10//150aa//28%//P87072

C-NT2RM1000187//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C.//1.1E-10//94aa//47%//042643

C-NT2RM1000199//Homo sapiens mRNA for type I transmembrane receptor (psk-1 gene).//0//2476bp//99%// AJ245820

C-NT2RM1000244//"Homo sapiens TRAF4 associated factor 1 mRNA, partial cds."//2E-126//592bp// 99%//U81002

<sup>25</sup> C-NT2RM1000252//H.sapiens E-MAP-115 mRNA.//9.7E-35//569bp//64%//X73882

C-NT2RM1000256//"Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds."//0//3012bp//99%//AB016789

C-NT2RM1000260//"Human mRNA for KIAA0130 gene, complete cds."//0//3139bp//98%//D50920 C-NT2RM1000271

30 C-NT2RM1000300

C-NT2RM1000314//"Human mRNA for KIAA0159 gene, complete cds."//0//4349bp//99%//D63880 C-NT2RM1000354//"Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds. "//7.4E-245//2101bp//68%//AF111423

C-NT2RM1000355//"Homo sapiens transmembrane protein BRI (BRI) mRNA, complete cds."//0// 1599bp//99%//AF152462

C-NT2RM1000365

C-NT2RM1000377//" Homo sapiens dual specificity phosphatase MKP5 (MKP5) mRNA, complete cds. " //3.2E-196//1016bp//94%//AF179212

C-NT2RM1000388//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION.// 0.000000019//67aa//31%//P53915

C-NT2RM1000399

C-NT2RM1000430//"Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds."// 1.4E-185//1486bp//81%//AF084928

C-NT2RM1000555//"Homo sapiens mRNA for KIAA0885 protein, complete cds."//0//2885bp//99%//AB020692

C-NT2RM1000563//TRANSMISSION-BLOCKING TARGET ANTIGEN S230 PRECURSOR.//0.0000068//199aa// 30%//Q08372

C-NT2RM1000648//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1.-).//8.5E-75//301aa//39%//P43636

C-NT2RM1000661//"Homo sapiens translation initiation factor 4e mRNA, complete cds."//4.3E-210//960bp//99%//AF038957

C-NT2RM1000666//DNA-BINDING PROTEIN A.//2.2E-09//165aa//34%//P16989

C-NT2RM1000672

C-NT2RM1000691//Homo sapiens mRNA for PLU-1 protein.//0//3104bp//99%//AJ132440 C-NT2RM1000699

55 C-NT2RM1000741//"Homo sapiens mRNA for KIAA0567 protein, partial cds."//1.1E-295//1338bp// 99%//AB011139

C-NT2RM1000742//"Homo sapiens AC133 antigen mRNA, complete cds."//0//3524bp//99%//AF027208

- C-NT2RM1000746//"Homo sapiens polyamine modulated factor-1 (PMF1) mRNA, complete cds."//6.70E-227//1043bp//99%//AF141310
- C-NT2RM1000770//DXS6673E PROTEIN.//1.4E-39//194aa//48%//Q14202
- C-NT2RM1000772//VEGETATTOLE INCOMPATIBILITY PROTEIN HET-E-1.//7.3E-15//280aa//27%//Q00808
- 5 C-NT2RM1000780
  - C-NT2RM1000800//Mus musculus partial mRNA for B-IND1 protein (B-indl gene).//1.1E-98//571bp//89%//Z97207 C-NT2RM1000802
  - C-NT2RM1000811//"Homo sapiens AC133 antigen mRNA, complete cds."//0//3524bp//99%//AF027208
- 10 C-NT2RM1000826//"Homo sapiens mRNA for KIAA0885 protein, complete cds."//0//2885bp//99%// AB020692
  - C-NT2RM1000829

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- C-NT2RM1000850//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//9.7E-42//333aa//36%//P16157
- C-NT2RM1000852//"Homo sapiens putative ATP-dependent RNA helicase ROK1 mRNA, complete cds. "//0//2206bp//99%//AF077033
  - C-NT2RM1000857//"Homo sapiens mRNA for KIAA0962 protein, partial cds."//0//3716bp//99%//AB023179
  - C-NT2RM1000874//"Homo sapiens death effector domain-containing testicular molecule mRNA, complete cds."//1.4E-244//1113bp//99%//AF043733
    - C-NT2RM1000882//"Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds."//4.30E-122//1394bp//69%//AF126799
    - C-NT2RM1000885//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//1.8E-56//630aa//30%//P34537
- 25 C-NT2RM1000894//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135).//o//1020aa//89%//P70700
  - C-NT2RM1000898//"ACTIN, CYTOPLASMIC (ACTIN, MICRONUCLEAR)."//8.9E-26//229aa//29%//P02583
  - C-NT2RM1000905//"Homo sapiens HSPC021 mRNA, complete cds."//0//1480bp//99%//AF077207
- <sup>30</sup> C-NT2RM1000924//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III.//1E-15//266aa//26%// P46577
  - C-NT2RM1000927
  - C-NT2RM1000962
  - C-NT2RM1000978
- C-NT2RM1001003//"Homo sapiens alpha-catenin-like protein (CTNNAL1) mRNA, complete cds."//0// 2230bp//99%//AF030233
  - C-NT2RM1001043
  - C-NT2RM1001066
  - C-NT2RM1001072//"1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE GAM-
- <sup>40</sup> MA 1 (EC 3.1.4.11) (PLC-GAMMA-1) (PHOSPHOLIPASE C-GAMMA-1) (PLC-II) (PLC-148).&quot;//8.3E-47// 259aa//35%//P08487
  - C-NT2RM1001085//"Rattus norvegicus brain specific cortactin-binding protein CBP90 mRNA, partial cds. "//3.7E-32//460bp//64%//AF053768
  - C-NT2RM1001102//"Human HEM45 mRNA, complete cds."//2.3E-27//482bp//63%//U88964
- 45 C-NT2RM1001105

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- C-NT2RM1001139//Homo sapiens mRNA; cDNA DKFZp564F0522 (from clone DKFZp564F0522).//0//1756bp//99%//AL049943
- C-NT2RM2000420
- C-NT2RM2000566//"Homo sapiens integrin alpha-7 mRNA, complete cds."//0//2519bp//96%// AF032108
  - C-NT2RM2000609
  - C-NT2RM2000612//"Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds."//2.6E-106//1069bp//74%//U35776
  - C-NT2RM2000735//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//2.9E-103//249aa//73%//P28160
- 55 C-NT2RM2001588
  - C-NT2RM2001605//Homo sapiens mRNA for PLU-1 protein.//0//3114bp//99%//AJ132440
  - C-NT2RM2001613//"Homo sapiens sec61 homolog mRNA, complete cds."//0//2601bp//99%// AF084458

- C-NT2RM2001632//KES 1 PROTEIN.//1.40E-31//342aa//34%//P35844
- C-NT2RM2001648//"Homo sapiens sec61 homolog mRNA, complete cds."//0//2421bp//99%//
- C-NT2RM2001652//"Homo sapiens guanine nucleotide exchange factor mRNA, complete cds."//0//2608bp//99%//AF111162
  - C-NT2RM2001659//ZINC/CADMIUM RESISTANCE PROTEIN.//3.4E-39//161aa//34%//P20107
  - C-NT2RM2001664//"Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds."//0//2471bp//99%//AF044195
- C-NT2RM2001668//"Homo sapiens putative WHSC1 protein (WHSC1) mRNA, alternative splice product ending in intron 11, complete cds."//6.2E-16//464bp//62%//AF083391
  - $C-NT2RM2001671//\" Oryctolagus cuniculus sarcolemmal associated protein (SLAP1) mRNA, complete cds. \\ \"//0//1843bp//94\%//U21155$
  - C-NT2RM2001675
  - C-NT2RM2001681
- 15 C-NT2RM2001688//HYPOTHETICAL 33.8 KD PROTEIN C5H10.01 IN CHROMOSOME I.//4.60E-20//253aa// 30%//Q09674
  - C-NT2RM2001695//Homo sapiens clone H63 unknown mRNA.//0//2016bp//99%//AF103804
  - C-NT2RM2001696

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- C-NT2RM2001698//"Homo sapiens XGalT-1 mRNA for galactosyltransferase I, complete cds."//6.2E-253//1170bp//99%//AB028600
  - C-NT2RM2001700//"ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC (EC 1.3.99.-) (VL-CAD) (FRAGMENT)."//5.7E-130//536aa//49%//P50544
  - C-NT2RM2001716
  - C-NT2RM2001723
- C-NT2RM2001730//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-ZYME).//7.2E-16//381aa//27%//Q09931
  - C-NT2RM2001743//"Homo sapiens cell cycle progression 2 protein (CPR2) mRNA, complete cds."// 0//1498bp//99%//AF011792
- 30 C-NT2RM2001753//HYPOTHETICAL PROTEIN KIAA0210.//8.8E-11//119aa//36%//Q92609 C-NT2RM2001760//"Homo sapiens sec61 homolog mRNA, complete cds."//0//2379bp//99%//AF084458
  - C-NT2RM2001768
  - C-NT2RM2001771//ZINC FINGER PROTEIN 135.//6.4E-154//394aa//64%//P52742
- C-NT2RM2001782//"Homo sapiens GDP-mannose pyrophosphorylase A (GMPPA) mRNA, complete cds. "//0//1470bp//99%//AF135422
  - C-NT2RM2001784
  - C-NT2RM2001785//Homo sapiens mRNA; cDNA DKFZp586C201 (from clone DKFZp586C201).//0//2146bp//99%//AL050118
- 40 C-NT2RM2001813
  - C-NT2RM2001823//CHD1 PROTEIN.//1.8E-106//631aa//39%//P32657
  - C-NT2RM2001839//"Homo sapiens calumein (Calu) mRNA, complete cds."//0//2415bp//97%//AF013759
  - C-NT2RM2001840
- 45 C-NT2RM2001855

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- C-NT2RM2001867//"Homo sapiens mRNA for KIAA0943 protein, partial cds."//0//967bp//99%//AB023160
- C-NT2RM2001879
- C-NT2RM2001983//"Homo sapiens RGS-GAIP interacting protein GIPC mRNA, complete cds."//0// 1658bp//98%//AF089816
- C-NT2RM2002145//"Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds."// 8.5E-191//1524bp//81%//AF084928
- C-NT2RM4000027
- C-NT2RM4000030//LAS1 PROTEIN.//5.6E-12//184aa//32%//P36146
- 55 C-NT2RM4000046//GOLIATH PROTEIN (G1 PROTEIN).//0.000008//112aa//31%//Q06003
  - C-NT2RM4000155//"THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.3) (THREONINE-TRNA LIGASE) (THRRS)."//1.2E-157//321aa//6l%//P26639
  - C-NT2RM4000156//H.sapiens HPBRII-7 gene.//3.6E-21//785bp//60%//X67336

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C-NT2RM4000167//"Homo sapiens kinesin superfamily motor KIF4 mRNA, complete cds."//0//
        1946bp//99%//AF071592
        C-NT2RM4000199
        C-NT2RM4000200
5
        C-NT2RM4000202//ZINC FINGER PROTEIN MOK-2 (HOK-2).//4.9E-32//170aa//41%//Q16600
        C-NT2RM4000233//"Mus musculus semaphorin VIa mRNA, complete cds."//3.4E-231//1395bp//86%//
        AF030430
        C-NT2RM4000244
        C-NT2RM4000251
10
        C-NT2RM4000265
        C-NT2RM4000324
        C-NT2RM4000327
        C-NT2RM4000356//RAS-RELATED PROTEIN RAB-17.//5.9E-80//213aa//75%//P35292
        C-NT2RM4000425
15
        C-NT2RM4000433//"Mus musculus retinoic acid-responsive protein (Stra6) mRNA, complete cds."//
        4.1E-271//2085bp//77%//AF062476
        C-NT2RM4000514
        C-NT2RM4000531//ZINC FINGER PROTEIN 29 (ZFP-29),//2.4E-89//389aa//43%//007230
        C-NT2RM4000532
20
        C-NT2RM4000534
        C-NT2RM4000603
        C-NT2RM4000611//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//2.9E-09//108aa//31%//Q00808
        C-NT2RM4000616//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
        TIVATING ENZYME).//2.7E-146//420aa//60%//P27550
25
        C-NT2RM4000674//HYPOTHETICAL SYMPORTER SLL1374.//1.2E-28//180aa//30%//P74168
        C-NT2RM4000689
        C-NT2RM4000698
        C-NT2RM4000700
        C-NT2RM4000712//"Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds."//1E-
30
        136//1104bp//77%//AF022789
        C-NT2RM4000717
        C-NT2RM4000733//TRANSCRIPTION TERMINATION FACTOR RHO.//0.00000041//207aa//29%//P52154
        C-NT2RM4000734//"Homo sapiens mRNA for KIAA0760 protein, partial cds."//0//2273bp//99%//
        C-NT2RM4000741//"Homo sapiens hSGT1 mRNA for hSgt1p, complete cds."//0//2184bp//99%//
35
        D88208
        C-NT2RM4000751//ZINC FINGER PROTEIN 184 (FRAGMENT),//3.9E-125//301aa//53%//Q99676
        C-NT2RM4000764
        C-NT2RM4000778
40
        C-NT2RM4000787
        C-NT2RM4000790
        C-NT2RM4000795//"Homo sapiens mRNA for KIAA0951 protein, complete cds."//0//1847bp//96%//
        AB023168
        C-NT2RM4000796
45
        C-NT2RM4000798//" Homo sapiens brefeldin A-inhibited quanine nucleotide-exchange protein 2 mRNA,
        complete cds."//0//2603bp//99%//AF084521
        C-NT2RM4000813
        C-NT2RM4000820//VACUOLAR ATP SYNTHASE SUBUNIT AC45 PRECURSOR (EC 3.6.1.34) (V-ATPASE
        AC45 SUBUNIT).//1.10E-24//138aa//44%//P40682
50
        C-NT2RM4000833
        C-NT2RM4000848
        C-NT2RM4000852
        C-NT2RM4000855
        C-NT2RM4000887
        C-NT2RM4000895
        C-NT2RM4000950
        C-NT2RM4000979
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C-NT2RM4001002//Homo sapiens mRNA; cDNA DKFZp586G0518 (from clone DKFZp586G0518).//0//2259bp//

100%//AL050092

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- C-NT2RM4001032
- C-NT2RM4001047//M025 PROTEIN.//8E-140//333aa//80%//Q06138
- C-NT2RM4001054//"Homo sapiens sec61 homolog mRNA, complete cds."//3.1E-190//1315bp//81%//
- C-NT2RM4001084//HYPOTHETICAL 105.6 KD PROTEIN C16C9.06C IN CHROMOSOME I.//0.000000032// 165aa//33%//Q09820
- C-NT2RM4001116//HYPOTHETICAL 216.3 KD PROTEIN R06F6.8 IN CHROMOSOME II.//5.9E-86//292aa// 48%//Q09417
- 10 C-NT2RM4001140//HOMEOBOX PROTEIN MSH-D.//1E-11//103aa//38%//Q01704
  - C-NT2RM4001151
  - C-NT2RM4001155//ADRENAL MEDULLA 50 KD PROTEIN.//4.1E-197//445aa//78%//Q27969
  - C-NT2RM4001160
  - C-NT2RM4001187
- 15 C-NT2RM4001191//"Homo sapiens clone 24963 mRNA sequence, complete cds."//0//1950bp//99%// AF131737
  - C-NT2RM4001200//ZINC FINGER PROTEIN 135.//9.5E-135//375aa//60%//P52742
  - C-NT2RM4001203//"Homo sapiens mRNA for KIAA0839 protein, partial cds."//0//3047bp//99%//AB020646
- 20 C-NT2RM4001204//" Homo sapiens mRNA for KIAA1089 protein, partial cds. " //0//2349bp//99%// AB029012
  - C-NT2RM4001217//"Homo sapiens nuclear matrix protein NRP/B (NRPB) mRNA, complete cds."// 7.3E-148//1409bp//72%//AF059611
  - C-NT2RM4001256//"Xenopus laevis putative Zic3 binding protein mRNA, complete cds."//4.30E-55//
- <sup>25</sup> 289bp//77%//AF129131
  - C-NT2RM4001258
  - C-NT2RM4001309
  - C-NT2RM4001313//PHOSPHATIDYLINOSITOL 3-KINASE VPS34-LIKE (EC 2.7.1.137) (PI3-KINASE) (PTDINS-3-KINASE) (PI3K).//3.50E-35//124aa//65%//P54676
- C-NT2RM4001316//"ACYL-COA DEHYDROGENASE, MEDIUM-CHAIN SPECIFIC PRECURSOR (EC 1.3.99.3) (MCAD)."//2.3E-31//334aa//30%//P08503
  - C-NT2RM4001320//"Homo sapiens mRNA for Neuroblastoma, complete cds."//1.8E-39//728bp//64%// D89016
  - C-NT2RM4001340//UTR4 PROTEIN (UNKNOWN TRANSCRIPT 4 PROTEIN).//1E-28//171aa//37%//P32626
- C-NT2RM4001344//HYPOTHETICAL GTP-BINDING PROTEIN IN POP2-HOL1 INTERGENIC REGION.//8.1E-30//265aa//33%//P53742
  - C-NT2RM4001347//"Homo sapiens NY-REN-25 antigen mRNA, partial cds."//0//2300bp//99%// AF155103
  - C-NT2RM4001371//"Homo sapiens IDN3 mRNA, partial cds."//0//2524bp//99%//AB019494
- 40 C-NT2RM4001382//"Homo sapiens RanBP7/importin 7 mRNA, complete cds."//2.2E-237//1079bp// 99%//AF098799
  - C-NT2RM4001384
  - C-NT2RM4001410

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- C-NT2RM4001411//"Mus musculus Pro-rich, PH, SH2 domain-containing signaling mediator (PSM) mRNA, complete cds."//0//1962bp//87%//AF020526
- C-NT2RM4001412//"Homo sapiens nGAP mRNA, complete cds."//0//1918bp//99%//AF047711 C-NT2RM4001414
- C-NT2RM4001437
- C-NT2RM4001444//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE-TRNA LIGASE) (ILERS).//
- 50 1.4E-118//444aa//46%//P73505
  - C-NT2RM4001454
  - C-NT2RM4001455
  - C-NT2RM4001483//ZINC FINGER PROTEIN 136.//5.1E-106//357aa//55%//P52737
  - C-NT2RM4001489//"Homo sapiens mRNA for KIAA0685 protein, complete cds."//0//1810bp//99%//AB014585
    - C-NT2RM4001522
    - C-NT2RM4001557//"Homo sapiens mRNA for KIAA1040 protein, partial cds."//0//1547bp//97%// AB028963

| $\sim$ | N I | Τク | <b>n</b> : | <br>$\alpha\alpha$ | 4 |  |
|--------|-----|----|------------|--------------------|---|--|
|        |     |    |            |                    |   |  |

C-NT2RM4001566//"Homo sapiens mRNA for KIAA1114 protein, complete cds."//0//1900bp//99%//AB029037

C-NT2RM4001582//"Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds."// 1.5E-284//1082bp//90%//AF071317

C-NT2RM4001592//"Homo sapiens mRNA for KIAA1122 protein, partial cds."//0//2170bp//99%//AB032948

C-NT2RM4001594

5

C-NT2RM4001597//M.musculus red-1 gene.//2.1E-171//1414bp//78%//X92750

10 C-NT2RM4001611//SIS2 PROTEIN (HALOTOLERANCE PROTEIN HAL3).//2.6E-32//203aa//39%//Q12600 C-NT2RM4001629//"MAGUK P55 SUBFAMILY MEMBER 3 (MPP3 PROTEIN) (DISCS, LARGE HOMOLOG 3)."//1.5E-93//278aa//38%//Q13368 C-NT2RM4001650

C-NT2RM4001662

15 C-NT2RM4001666//HYPOTHETICAL 48.6 KD PROTEIN IN ALPA-GABP INTERGENIC REGION.//2.7E-84// 410aa//42%//P37339

C-NT2RM4001682

C-NT2RM4001710

C-NT2RM4001714//SEPTIN 2 HOMOLOG (FRAGMENT).//8.9E-141//354aa//72%//Q14141

20 C-NT2RM4001715

C-NT2RM4001731//"Homo sapiens mRNA for KIAA1004 protein, partial cds."//0//1922bp//100%//AB023221

C-NT2RM4001746

C-NT2RM4001754

25 C-NT2RM4001758//PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK (EC 2.7.1.-).//4.1E-186//639aa// 58%//Q05512

C-NT2RM4001783//ZINC FINGER PROTEIN HRX (ALL-1).//7.9E-66//311aa//35%//Q03164

C-NT2RM4001810//"Homo sapiens mRNA for KIAA0863 protein, complete cds."//0//2377bp//99%// AB020670

30 C-NT2RM4001813//LECTIN BRA-2.//0.00000048//114aa//30%//P17346

C-NT2RM4001823//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).///2.9E-55//325aa//37%//P28160 C-NT2RM4001828//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//5.9E-161//481aa//56%//P51523

C-NT2RM4001836

C-NT2RM4001841//"Homo sapiens mRNA for KIAA0920 protein, complete cds."//0//1861bp//98%// AB023137

C-NT2RM4001842

C-NT2RM4001856

C-NT2RM4001858//T-BOX CONTAINING PROTEIN TBX6L (FRAGMENT).//6.5E-22//126aa//46%//P79779

40 C-NT2RM4001865//Homo sapiens mRNA for atopy related autoantigen CALC.//4.3E-244//1248bp//94%//Y17711 C-NT2RM4001876//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1).//6.5E-23//184aa//36%//Q15404

C-NT2RM4001880//PUTATIVE DNA HELICASE II HOMOLOG (EC 3.6.1.-).//5.9E-09//268aa//26%//P47486 C-NT2RM4001922//"Homo-sapiens mRNA for KIAA0957 protein, complete cds."//0//2165bp//99%//

45 AB023174

C-NT2RM4001930//"Homo sapiens dolichyl-P-Glc:Man9GlcNAc2-PP-dolichyl glucosyltransferase (ALG6) mRNA, complete cds."//0//1930bp//99%//AF102851

C-NT2RM4001940//"Homo sapiens timeless homolog mRNA, complete cds."//0//2087bp//99%//AF098162

50 C-NT2RM4001953

C-NT2RM4001965

C-NT2RM4001969//R.norvegicus mRNA for IP63 protein.//2.6E-261//1563bp//84%//X99330 C-NT2RM4001979//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.8E-112//457aa//47%//

P51523 55 C-NT2RM4001984

C-NT2RM4001987//"NEURAL CELL ADHESION MOLECULE 1, LARGE ISOFORM PRECURSOR (N-CAM 180) [CONTAINS: N-CAM 140]."//3.2E-17//281aa//30%//P16170

C-NT2RM4002013//HYPOTHETICAL 89.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMT6-PCT1

|    | INTERGENIC REGION.//6.9E-94//589aa//35%//P42935   |
|----|---|
|    | C-NT2RM4002018  |
|    | C-NT2RM4002034//"Homo sapiens hiwi mRNA, partial cds."//1.9E-53//1585bp//60%//AF104260              |
|    | C-NT2RM4002044  |
| 5  | C-NT2RM4002054  |
|    | C-NT2RM4002063//"Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds."//0//            |
|    | 1865bp//99%//U82267   |
|    | C-NT2RM4002066//"Homo sapiens thyroid hormone receptor-associated protein complex component         |
|    |   |
| 10 | TRAP230 mRNA, complete cds."//1.50E-211//1123bp//71%//AF117755                                      |
| 10 | C-NT2RM4002075//RING CANAL PROTEIN (KELCH PROTEIN).//2.8E-105//556aa//41%//Q04652                   |
|    | C-NT2RM4002128  |
|    | C-NT2RM4002140  |
|    | C-NT2RM4002145//SLIT PROTEIN PRECURSOR.//1.40E-09//127aa//33%//P24014                               |
|    | C-NT2RM4002161//"Homo sapiens laforin (EPM2A) mRNA, complete cds."//0//2671bp//99%//                |
| 15 | AF084535  |
|    | C-NT2RM4002174//MRP PROTEIN.//9.1E-68//264aa//51%//P21590   |
|    | C-NT2RM4002189//"GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLU-                  |
|    | COSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)."//6.2E-33//688aa//27%//P08640                        |
|    | C-NT2RM4002205//"ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G)."//3E-                        |
| 20 | 37//122aa//72%//Q07803  |
|    | C-NT2RM4002213//" Homo sapiens protein phosphatase methylesterase-1 (PME-1) mRNA, complete cds.     |
|    | "//0//2452bp//100%//AF157028  |
|    | C-NT2RM4002226//GTPASE ACTIVATING PROTEIN ROTUND.//3.7E-19//147aa//41%//P40809                      |
|    | C-NT2RM4002251//"ALPHA-1,3-MANNOSYL-GLYCOPROTEIN BETA-1,2-N-ACETYLGLUCOSAMINYL-                     |
| 25 | TRANSFERASE (EC 2.4.1.101) (N-GLYCOSYL-OLIGOSACCHARIDE-GLYCOPROTEIN N-ACETYLGLU-                    |
|    | COSAMINYLTRANSFERASE I) (GNT-I) (GLCNAC-TI)."//2.2E-36//320aa//38%//P27808                          |
|    | C-NT2RM4002256  |
|    | C-NT2RM4002266  |
|    |   |
| 30 | C-NT2RM4002281  |
| 30 | C-NT2RM4002287  |
|    | C-NT2RM4002294  |
|    | C-NT2RM4002301  |
|    | C-NT2RM4002323//ANTIGEN GOR (FRAGMENT).//0.000000001//154aa//33 %//P48778                           |
|    | C-NT2RM4002339  |
| 35 | C-NT2RM4002344  |
|    | C-NT2RM4002373//"Homo sapiens mRNA for KIAA0649 protein, complete cds."//0//2666bp//99%//           |
|    | AB014549  |
|    | C-NT2RM4002374  |
|    | C-NT2RM4002383  |
| 40 | C-NT2RM4002409//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATECOA LIGASE) (ACYL- AC-            |
|    | TIVATING ENZYME).//1.3E-29//275aa//30%//P27095  |
|    | C-NT2RM4002438//"Xenopus laevis putative Zic3 binding protein mRNA, complete cds."//1.1E-49//       |
|    | 611bp//70%//AF129131  |
|    | C-NT2RM4002446  |
| 45 | C-NT2RM4002452  |
|    | C-NT2RM4002457  |
|    | C-NT2RM4002460//"ENV POLYPROTEIN (COAT POLYPROTEIN) [CONTAINS: COAT PROTEINS GP70,                  |
|    | GP20]."//0.0000016//226aa//24%//P51515  |
|    | C-NT2RM4002493  |
| 50 | C-NT2RM4002527//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//8.9E-15//366aa//27%//Q00808           |
|    | C-NT2RM4002532//PROTEIN HOM1.//2E-16//276aa//28%//P55137  |
|    | C-NT2RM4002558//"Homo sapiens fatty acid transport protein (FATP) mRNA, complete cds."//0//         |
|    | 1797bp//99%//AF055899   |
|    | C-NT2RM4002567  |
| 55 | C-NT2RM4002593  |
|    | C-NT2RM4002594//MSP1 PROTEIN HOMOLOG.//2.7E-68//236aa//58%//P54815                                  |
|    | C-NT2RM4002623//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATETRNA LIGASE) (ASPRS).//            |
|    | O THE SAME DE LOCATION AND THE THIRD OF THE THOLE (EC U.T. 1. 12) (ASPANTALE—TRINA LIGASE) (ASPAS). |

2.3E-101//488aa//45%//032038

C-NT2RP1000324 C-NT2RP1000363//"Homo sapiens mRNA for KIAA0638 protein, partial cds."//0//1345bp//99%// AB014538 C-NT2RP1000418 C-NT2RP1000513//"Human NifU-like protein (hNifU) mRNA, partial cds."//6.50E-171//516bp//99%// 5 U47101 C-NT2RP1000721 C-NT2RP1000730 C-NT2RP1000767 10 C-NT2RP1000836 C-NT2RP1000902//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III.//5.2E-20//306aa// 33%//Q09531 C-NT2RP1000943 C-NT2RP1001033//"Homo sapiens delta-tubulin mRNA, complete cds."//2.10E-285//1290bp//100%// 15 C-NT2RP1001073//" Homo sapiens U6 snRNA-associated Sm-like protein LSm5 mRNA, complete cds. "//8.1E-107//504bp//99%//AF182291 C-NT2RP1001199 C-NT2RP1001248 20 C-NT2RP1001253//"Homo sapiens oscillin (hLn) mRNA, complete cds."//0//2020bp//99%//AF029914 C-NT2RP1001286 C-NT2RP1001294//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//1.80E-38//258aa//32%//Q12024 C-NT2RP1001302//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//1.80E-38//258aa//32%//Q12024 C-NT2RP1001310//" Homo sapiens mitochondrial carrier homolog 1 isoform a mRNA, partial cds; nuclear 25 gene for mitochondrial product."//0//1732bp//99%//AF176006 C-NT2RP1001361//"Homo sapiens NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete cds."//6.5E-116//541bp//100%//AF070652 C-NT2RP1001385//HYPOTHETICAL 48.8 KD PROTEIN IN SSU81-SCS2 INTERGENIC REGION.//2.7E-22// 284aa//25%//P40074 30 C-NT2RP1001432 C-NT2RP2000040//"Homo sapiens mRNA for KIAA0747 protein, partial cds."//0//2648bp//99%// AB013290 C-NT2RP2000076//Homo sapiens partial mRNA for polyhomeotic 2 protein (PH2 gene).//7.9E-20//265bp//73%// AJ242730 35 C-NT2RP2000098 C-NT2RP2000108 C-NT2RP2000257//PUTATIVE MITOCHONDRIAL CARRIER YIL006W.//9.7E-41//278aa//36%//P40556 C-NT2RP2000258//ACTIVATOR 1 140 KD SUBUNIT (REPLICATION FACTOR C LARGE SUBUNIT) (A1 140 KD SUBUNIT) (RF-C 140 KD SUBUNIT) (ACTIVATOR 1 LARGE SUBUNIT) (DNA-BINDING PROTEIN PO-GA).// 40 7.1E-12//213aa//23%//P35251 C-NT2RP2000289 C-NT2RP2000327 C-NT2RP2000337 C-NT2RP2000420//ZINC FINGER PROTEIN 165.//8.5E-33//155aa//52%//P49910 45 C-NT2RP2000459 C-NT2RP2000498 C-NT2RP2000758 C-NT2RP2001137 C-NT2RP2001149 50 C-NT2RP2001168//VERPROLIN.//1.5E-09//143aa//33%//P37370 C-NT2RP2001173//"Homo sapiens mRNA for KIAA0480 protein, complete cds."//0//1780bp//99%// C-NT2RP2001174//GASTRULA ZINC FINGER PROTEIN XLCGF46.1 (FRAGMENT).//6E-10//88aa//38%//

P18722 55 C-NT2RP2001196

C-NT2RP2001226

C-NT2RP2001268//"Homo sapiens mRNA for KIAA0810 protein, partial cds."//0//3301bp//98%//AB018353

- C-NT2RP2001290//BETA-SOLUBLE NSF ATTACHMENT PROTEIN (SNAP-BETA) (SNAP-ALPHA HOMOLOG) (BRAIN PROTEIN 147) (FRAGMENT).//4.4E-91//179aa//99%//P28663
- C-NT2RP2001295//ZINC/CADMIUM RESISTANCE PROTEIN.//8.3E-39//161aa//34%//P20107 C-NT2RP2001312
- 5 C-NT2RP2001327//"TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PROTEIN)."//5.5E-116//311aa//71%//Q13829
  - C-NT2RP2001328
  - C-NT2RP2001366
  - C-NT2RP2001378//MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).//2E-11//403aa//25%//Q02817
- 10 C-NT2RP2001392//MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-).//8.4E-192// 581aa//54%//P93647
  - C-NT2RP2001394//Homo sapiens mRNA for SCML2 protein.//0//2068bp//99%//Y18004
  - C-NT2RP2001420//"Mus musculus nuclear protein NIP45 mRNA, complete cds."//9E-112//742bp//82%//U76759
- 15 C-NT2RP2001450
  - C-NT2RP2001467
  - C-NT2RP2001506
  - C-NT2RP2001511//"Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds."//3.2E-297//2206bp//75 %//AF093097
- 20 C-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1.//0//2502bp//99%//Y14494 C-NT2RP2001536//"Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds."//0//2326bp//99%//AF035586
  - C-NT2RP2001560//VAV2 PROTEIN.//0.00000015//219aa//27%//Q60992
  - C-NT2RP2001576//HYPOTHETICAL 62.2 KD PROTEIN C4G8.12C IN CHROMOSOME I.//8.2E-29//294aa//
- 25 31%//Q09837
  - C-NT2RP2001581
  - C-NT2RP2001597//"RYANODINE RECEPTOR, CARDIAC MUSCLE."//0.000000036//127aa//36%//P30957
  - C-NT2RP2001628
- C-NT2RP2001663//ENOLASE (EC 4.2.1.11) (2-PHOSPHOGLYCERATE DEHYDRATASE) (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE) (FRAGMENT).//1.1E-47//126aa//53%//P42897
  C-NT2RP2001748//FARNESYL PYROPHOSPHATE SYNTHETASE (FPP SYNTHETASE) (FPS) (FARNESYL DI-PHOSPHATE SYNTHETASE) (DIMETHYLALLYLTRANSFERASE (EC 2.5.1.1) / GERANYLTRANSTRANSFERASE (EC 2.5.1.10)) (KIAA0032).//5.40E-47//96aa//97%//P14324
- 35 C-NT2RP2001813
  - C-NT2RP2001883//"Homo sapiens CGI-01 protein mRNA, complete cds."//0//2306bp//99%//AF132936
  - C-NT2RP2001900//ACTIN-LIKE PROTEIN ARP5.//2.3E-38//395aa//30%//P53946
  - C-NT2RP2001947
- 40 C-NT2RP2001985//"Homo sapiens high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha mRNA, complete cds."//2.00E-38//435bp//67%//AF090989
  - C-NT2RP2001991//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73.//6.5E-129//279aa//85%//Q08469
- C-NT2RP2002025//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO).//
  1.7E-47//247aa//52%//P35331
  - C-NT2RP2002058//"Homo sapiens WD repeat protein WDR3 (WDR3) mRNA, complete cds."//0//2510bp//99%//AF083217
  - C-NT2RP2002076//Homo sapiens clone 24804 mRNA sequence.7/1.5E-294//1334bp//99%//AF052183 C-NT2RP2002078//PECANEX PROTEIN.//1.8E-09//195aa//32%//P18490
- 50 C-NT2RP2002079//"HISTONE H1, GONADAL."//4.4E-11//214aa//34%//P02256
  - C-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein.//0//3389bp//99%//AJ007509
  - C-NT2RP2002185//"Homo sapiens ubiquilin mRNA, complete cds."//0//1789bp//99%//AF176069
  - C-NT2RP2002193//"Homo sapiens PIAS3 mRNA for protein inhibitor of activatied STAT3, complete cds. "//0//2809bp//99%//AB021868
- 55 C-NT2RP2002231
  - C-NT2RP2002235
  - C-NT2RP2002252//"Mus musculus (clone pVZmSin3A9) mSin3A9 mRNA, complete cds."//0//3118bp//91%//L38621

- C-NT2RP2002292
- C-NT2RP2002408
- C-NT2RP2002442//HESA PROTEIN.//2.8E-14//163aa//30%//P46037
- C-NT2RP2002464//DNA CROSS-LINK REPAIR PROTEIN PS02/SNM1.//6.50E-07//171aa//27%//P30620
- 5 C-NT2RP2002498
  - C-NT2RP2002503//ZINC FINGER PROTEIN 45 (BRC1744).//4.6E-144//537aa//49%//Q02386
  - C-NT2RP2002520//"Homo sapiens transcription factor RFX-B (RFXB) mRNA, complete cds."//3.70E-34//668bp//61%//AF105427
  - C-NT2RP2002549
- 10 C-NT2RP2002609//2-HYDROXYMUCONIC SEMIALDEHYDE HYDROLASE (EC 3.1.1.-) (HMSH).//2.80E-08// 109aa//37%//P19076
  - C-NT2RP2002706
  - C-NT2RP2002710//SH3-BINDING PROTEIN 3BP-1.//4.9E-85//489aa//43%//P55194
  - C-NT2RP2002800
- C-NT2RP2002880//GLUCOSE REPRESSION MEDIATOR PROTEIN.//0.000039//206aa//23%//P14922 C-NT2RP2002891
  - C-NT2RP2002929/HYPOTHETICAL 46.2 KD TRP-ASP REPEATS CONTAINING PROTEIN D2013.2 IN CHROMOSOME II.//4.1E-87//395aa//40%//Q18964
  - C-NT2RP2002939//ZINC FINGER PROTEIN 136.//5.4E-70//282aa//42%//P52737
- 20 C-NT2RP2002993//DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135).//0//716aa//91%//P70700
  - C-NT2RP2003034
  - C-NT2RP2003099
  - C-NT2RP2003137//UBIQUITIN.//0.000026//70aa//30%//P13117
- 25 C-NT2RP2003157//"Homo sapiens CGI-74 protein mRNA, complete cds."//0//2037bp//99%// AF151832
  - C-NT2RP2003158//"Homo sapiens mRNA for proteasome subunit p58, complete cds."//0//2091bp// 99%//D67025
  - C-NT2RP2003165
- 30 C-NT2RP2003243//Homo sapiens partial mRNA for putative p621 protein which interacts with transcription factor Sp1.//0//1544bp//99%//AJ242978
  - C-NT2RP2003277//"Homo sapiens mRNA for KIAA0625 protein, partial cds."//0//3788bp//99%//AB014525
  - C-NT2RP2003286//PROBABLE RNA 3'-TERMINAL PHOSPHATE CYCLASE (EC 6.5.1.4) (RNA-3'-PHOSPHATE
- 35 CYCLASE) (RNA CYCLASE).//4.1E-88//374aa//47%//Q23400
  - C-NT2RP2003297
  - C-NT2RP2003307//KINESIN LIGHT CHAIN (KLC).//2.2E-199//550aa//70%//Q07866
  - C-NT2RP2003308//CROOKED NECK PROTEIN.//5.4E-244//622aa//67%//P17886
  - C-NT2RP2003347//BREAST CANCER TYPE 1 SUSCEPTIBILITY PROTEIN HOMOLOG.//0.000022//261aa//
- 40 24%//P48754
  - C-NT2RP2003391//Homo sapiens mRNA for nuclear transport receptor.//0//1509bp//99%//AJ133769
  - C-NT2RP2003393
  - C-NT2RP2003445
  - C-NT2RP2003466//"Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds."7/0//2194bp//
- 45 99%//AF126799
  - C-NT2RP2003480//"Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds. "//0//3012bp//99%//AF125158
  - C-NT2RP2003506//NADPH-CYTOCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR).//5.4E-14//106aa//46%//P04175
- 50 C-NT2RP2003511
  - C-NT2RP2003513//"Human mRNA for KIAA0270 gene, partial cds."//0//2137bp//97%//D87460 C-NT2RP2003567//"Homo sapiens mRNA for KIAA0462 protein, partial cds."//0//2343bp//99%//
  - AB007931
    C-NT2RP2003604//"Homo sapiens alpha-catenin-like protein (CTNNAL1) mRNA, complete cds."//0//
- 55 2442bp//99%//AF030233 C-NT2RP2003691
  - C-NT2RP2003713//"Homo sapiens ubiquitin-specific protease 3 (USP3) mRNA, complete cds."//0//2018bp//99%//AF073344

- C-NT2RP2003760//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).//0//869aa//80%//P53620
- C-NT2RP2003764
- C-NT2RP2003769
- 5 C-NT2RP2003777
  - C-NT2RP2003840//HYPOTHETICAL 48.1 KD PROTEIN B0403.2 IN CHROMOSOME X.//3.7E-21//137aa//43%//Q11076
  - C-NT2RP2003857//MYOTROPHIN (V-1 PROTEIN) (GRANULE CELL DIFFERENTIATION PROTEIN).// 0.00000016//117aa//29%//Q91955
- 10 C-NT2RP2003981//"Homo sapiens mRNA for KIAA0804 protein, partial cds."//0//3046bp//99%// AB018347
  - C-NT2RP2003984//Homo sapiens mRNA; cDNA DKFZp564A026 (from clone DKFZp564A026).//0//2514bp//99%//AL050367
  - C-NT2RP2004041//SYNAPSINS IA AND IB.//0.00000074//159aa//32%//P17599
- C-NT2RP2004066//"Human DNA sequence from clone 134019 on chromosome 1p36.11-36.33, complete sequence."//0//2410bp//99%//AL034555
  - C-NT2RP2004081
  - C-NT2RP2004124
  - C-NT2RP2004152
- 20 C-NT2RP2004165
  - C-NT2RP2004187//ZINC FINGER PROTEIN 38 (ZFP-38) (CTFIN51) (TRANSCRIPTION FACTOR RU49).//5.6E-31//424aa//28%//007231
  - C-NT2RP2004239//"Homo sapiens lok mRNA for protein kinase, complete cds."//0//3044bp//99%// AB015718
- 25 C-NT2RP2004245
  - C-NT2RP2004364
  - C-NT2RP2004365
  - C-NT2RP2004366//"Homo sapiens mRNA for KIAA0986 protein, partial cds."//0//2790bp//97%//AB023203
- 30 C-NT2RP2004373
  - C-NT2RP2004476//"Homo sapiens cyclin L ania-6a mRNA, complete cds."//0//2075bp//99%// AF180920
  - C-NT2RP2004551
  - C-NT2RP2004568//PUTATIVE ATP-DEPENDENT RNA HELICASE C30D11.03.//3E-117//625aa//40%//Q09903
- 35 C-NT2RP2004600

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- C-NT2RP2004664//"Homo sapiens mRNA for KIAA0460 protein, partial cds."//0//2368bp//99%//AB007929
- C-NT2RP2004743
- C-NT2RP2004768//SERINE/THREONINE-PROTEIN KINASE NRK1 (EC 2.7.1.-) (N-RICH KINASE 1).//1.3E-26// 190aa//41-%//P38692
- C-NT2RP2004816//"Homo sapiens H beta 58 homolog mRNA, complete cds."//0//2144bp//96%//AF054179
- C-NT2RP2004861
- C-NT2RP2004897
- 45 C-NT2RP2004933//"Homo sapiens mRNA for ZIP-kinase, complete cds."//0//2103bp//99%//AB007144 C-NT2RP2004978//ACTIN-LIKE PROTEIN ARP8.//3.3E-47//353aa//30%//Q12386
  - C-NT2RP2005038//DNA NUCLEOTIDYLEXOTRANSFERASE (EC 2.7.7.31) (TERMINAL ADDITION ENZYME) (TERMINAL DEOXYNUCLEOTIDYLTRANSFERASE) (TERMINAL TRANSFERASE).//4E-91//218aa//44%//Q92089
- 50 C-NT2RP2005162//"Homo sapiens aspartyl aminopeptidase mRNA, complete cds."//0//1615bp//99%// AF005050
  - C-NT2RP2005204//"Homo sapiens SUMO-1-activating enzyme E1 N subunit (SUA1) mRNA, complete cds. "//0//1262bp//99%//AF090385
  - C-NT2RP2005227
- 55 C-NT2RP2005287
  - C-NT2RP2005288//"Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds."//0//2992bp//99%//AF060219
  - C-NT2RP2005490//"Mus musculus D3Mm3e (D3Mm3e) mRNA, complete cds."//1.8E-175//1102bp//

| 83%  | // A      | -  | 50 | co | o |
|------|-----------|----|----|----|---|
| N:4% | $H\Delta$ | -0 | -  | h  | ж |

C-NT2RP2005539//"Homo sapiens mRNA for KIAA0850 protein, complete cds."//0//1560bp//99%//AB020657

C-NT2RP2005605//QUEUINE TRNA-RIBOSYLTRANSFERASE (EC 2.4.2.29) (TRNA-GUANINE TRANSGLYC-OSYLASE) (GUANINE INSERTION ENZYME).//8.2E-23//164aa//28%//032053

C-NT2RP2005722//"Homo sapiens ZK1 mRNA for Kruppel-type zinc finger protein, complete cds."// 0//2545bp//99%//AB011414

C-NT2RP2005732

C-NT2RP2005784//"Homo sapiens ubiquitin-conjugating enzyme variant Kua (UBE2V) mRNA, complete cds."//0//2191bp//92%//AF155120

C-NT2RP2005812//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION.//2.3E-39//318aa//31%//P40004

C-NT2RP2005859//"Homo sapiens mRNA for KIAA0863 protein, complete cds."//0//1649bp//99%//AB020670

15 C-NT2RP2006023

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C-NT2RP2006334//Homo sapiens mRNA; cDNA DKFZp434J154 (from clone DKFZp434J154).//0//2318bp//99%// AL080155

C-NT2RP2006441

C-NT2RP3000002

20 C-NT2RP3000050//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.2E-150//490aa// 53%//Q05481

C-NT2RP3000055

C-NT2RP3000068

C-NT2RP3000080

C-NT2RP3000085//ACETYL-/PROPIONYL-COENZYME A CARBOXYLASE ALPHA CHAIN [CONTAINS: BIOTIN CARBOXYLASE (EC 6.3.4.14); BIOTIN CARBOXYL CARRIER PROTEIN (BCCP)].//1.9E-123//436aa//50%//P46401

C-NT2RP3000092

C-NT2RP3000109//P54 PROTEIN PRECURSOR.//0.0000065//358aa//22%//P13692

30 C-NT2RP3000134

C-NT2RP3000149

C-NT2RP3000197

C-NT2RP3000207//"GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)."//2.9E-11//721aa//23%//P08640

C-NT2RP3000233//"Human DNA sequence from clone 22D12 on chromosome Xq21.1-21.33. Contains a novel protein similar to Drosophila Kelch (Ring Canal protein, KEL) and a heterogenous set of other types of proteins. Contains ESTs and GSSs, complete sequence."//0//1462bp//99%//AL035424 C-NT2RP3000235

C-NT2RP3000247

C NT2DD2000247

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45

C-NT2RP3000267

C-NT2RP3000299//"Rattus norvegicus mRNA for Crk-associated substrate, p130, complete cds."//0//2730bp//82%//D29766

C-NT2RP3000324

C-NT2RP3000341//"Homo sapiens mitochondrial inner membrane preprotein translocase Timl7a mRNA, nuclear gene encoding mitochondrial protein, complete cds."//1.5E-246//1124bp//99%//AF106622

C-NT2RP3000393//"Rattus norvegicus DNA-binding protein PREB (Preb) mRNA, complete cds."// 5.8E-266//1373bp//86%//AF061817

C-NT2RP3000441//"Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds."//3.40E-42//645bp//67%//AF098066

50 C-NT2RP3000449

C-NT2RP3000451

C-NT2RP3000456

C-NT2RP3000542

C-NT2RP3000561

C-NT2RP3000562//"Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds."//0// 2165bp//99%//AF093097

C-NT2RP3000578//HES1 PROTEIN.//1-3E-22//229aa//27%//P35843

C-NT2RP3000590//UVS-2 PROTEIN.//1.3E-22//458aa//24%//P33288

- C-NT2RP3000592 C-NT2RP3000622 C-NT2RP3000624 C-NT2RP3000685 C-NT2RP3000736/ C-NT2RP3000742/
- C-NT2RP3000736//HYPOTHETICAL PROTEIN KIAA0140.//1.2E-166//305aa//99%//014153
   C-NT2RP3000742//"1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA
   (EC 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT)."//4.1E-165//371aa//49%//P10895

- 10 C-NT2RP3000826
  - C-NT2RP3000865
  - C-NT2RP3000875//MEVALONATE KINASE (EC 2.7.1.36) (MK).//7.7E-87//175aa//98%//Q03426
  - C-NT2RP3001007
  - C-NT2RP3001055
- 15 C-NT2RP300111//"Homo sapiens TRF-proximal protein mRNA, complete cds."//1.50E-149//731bp// 97%//AF097725
  - C-NT2RP3001120//ZINC FINGER PROTEIN 136.//7.8E-170//512aa//58%//P52737
  - C-NT2RP3001126
  - C-NT2RP3001150//TRANSCRIPTION TERMINATION FACTOR RHO.//0.00000031//207aa//29%//P52154
- 20 C-NT2RP3001232
  - C-NT2RP3001268//"Homo sapiens zinc finger protein ZNF228 (ZNF228) mRNA, complete cds."//0// 3606bp//99%//AF198358
  - C-NT2RP3001272//Mus musculus mRNA for macrophage actin-associated-tyrosine-phosphorylated protein.// 1.3E-99//669bp//83%//Y18101
- 25 C-NT2RP3001274//"Homo sapiens mRNA for KIAA1037 protein, partial cds."//0//2254bp//99%// AB028960
  - C-NT2RP3001281
  - C-NT2RP3001297
  - C-NT2RP3001318
- 30 C-NT2RP3001338//ZINC FINGER PROTEIN 81 (FRAGMENT).//2.4E-16//175aa//28%//P51508 C-NT2RP3001355//TRICARBOXYLATE TRANSPORT PROTEIN PRECURSOR (CITRATE TRANSPORT PROTEIN) (CTP) (TRICARBOXYLATE CARRIER PROTEIN).//3.6E-25//129aa//34%//P32089 C-NT2RP3001374
  - C-NT2RP3001428//NUCLEOPROTEIN TPR.//1.4E-128//152aa//99%//P12270
- 35 C-NT2RP3001432
  - C-NT2RP3001447
  - C-NT2RP3001449//" Human DNA sequence from clone 283E3 on chromosome 1p36.21-36.33. Contains the alternatively spliced gene for Matrix Metalloproteinase in the Female Reproductive tract MIFR1, -2, MMP21/22A, -B and -C, a novel gene, the alternatively spliced CDC2L2 gene for Cell Division Cycle 2-Like 2 (PITSLRE, p58/GTA,
- Galactosyltransferase Associated Protein Kinase) beta 1, beta 2-1, beta 2-2 and alpha 2-4, a 40S Ribosomal Protein S7 pseudogene, part of the KIAA0447 gene, a novel alternatively spliced gene similar to many (archae) bacterial, worm and yeast hypothetical genes, and the GNB1 gene for Guanine Nucleotide Binding Protein (G protein), Beta polypeptide 1 (Transducin Beta chain 1). Contains putative CpG islands, ESTs, STSs and GSSs, complete sequence."//0//1827bp//99%//AL031282
- C-NT2RP3001453//ANTIGEN PEPTIDE TRANSPORTER 2 (APT2) (HISTOCOMPATIBILITY ANTIGEN MODIFIER 2).//3.2E-90//157aa//59%//P36371
  - C-NT2RP3001459
  - C-NT2RP3001527//"Human Spl40 protein (Spl40) mRNA, complete cds."//4.3E-290//793bp//93%// U63420
- 50 C-NT2RP3001538//HYPOTHETICAL 39.0 KD PROTEIN T2.8D9.3 IN CHROMOSOME II.//9.10E-10//158aa// 31%//Q10022
  - C-NT2RP3001580//"Mus musculus strain C57BL/J germ cell-less protein (Gcl) mRNA, complete cds." //0//1730bp//85%//AF163665
- C-NT2RP3001587//"Human anthracycline-associated resistance ARX mRNA, complete cds."//0// 2617bp//99%//U35832
  - C-NT2RP3001589
  - C-NT2RP3001607
  - C-NT2RP3001608

C-NT2RP3001671//"Homo sapiens mRNA for KIAA0850 protein, complete cds."//0//2310bp//99%//AB020657

C-NT2RP3001672//"Homo sapiens Sex comb on midleg homolog 1 isoform 2 (SCMH1) mRNA, complete cds."//0//2836bp//99%//AF149046

5 C-NT2RP3001678

C-NT2RP3001688//"Homo sapiens glucocorticoid modulatory element binding protein-1 (GMEB1) mRNA, complete cds."//0//1695bp//99%//AF099013

C-NT2RP3001690//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//0.00000024//481aa//21%// P25386

10 C-NT2RP3001698

C-NT2RP3001708//TWISTED GASTRULATION PROTEIN PRECURSOR.//3.4E-33//161aa//32%//P54356 C-NT2RP3001716

C-NT2RP3001752

C-NT2RP3001792//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M).//1.8E-117//462aa//

15 55%//P52272

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C-NT2RP3001844

C-NT2RP3001854//Homo sapiens mRNA; cDNA DKFZp564G013 (from clone DKFZp564G013).//0//1528bp//99%//AL050011

C-NT2RP3001855//HOMEOBOX PROTEIN PKNOX1 (HOMEOBOX PROTEIN PREP-1).//8.1E-125//302aa//60%//P55347

C-NT2RP3001898//"Homo sapiens mRNA for UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IV, complete cds."//0//1587bp//100%//AB000624 C-NT2RP3001931

C-NT2RP3001969//TRICHOHYALIN.//2.7E-11//442aa//23%//P37709

25 C-NT2RP3002002

C-NT2RP3002004//H.sapiens mRNA for FAST kinase.//1.50E-19211475bp//94%//X86779

C-NT2RP3002007//SAP1 PROTEIN.//1.1E-68//474aa//32%//P39955

C-NT2RP3002014//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III.//5.30E-25//139aa// 48%//Q09232

30 C-NT2RP3002045//"Homo sapiens mRNA for KIAA0899 protein, partial cds."//0//33 85bp//99%// AB020706

C-NT2RP3002056//"Homo sapiens Rb binding protein homolog mRNA, partial cds."//0//2374bp//99%//AF083249

C-NT2RP3002062//"Homo sapiens mRNA for KIAA0873 protein, partial cds."//0//3764bp//99%//AB020680

C-NT2RP3002081//"Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds. "//4.1E-233//1896bp//69%//AF111423

C-NT2RP3002097

C-NT2RP3002108//DEC1 PROTEIN (MDM20 PROTEIN).//7.90E-09//181aa//22%//Q12387

40 C-NT2RP3002142

C-NT2RP3002146

C-NT2RP3002151//G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG (GTP-BINDING PROTEIN GST1-HS).//2.8E-253//474aa//93%//P15170

C-NT2RP3002165//TRANSCRIPTIONAL REGULATOR PROTEIN HCNGP7/1.9E-151//223aa//91%//Q02614

45 C-NT2RP3002166

C-NT2RP3002181

C-NT2RP3002244

C-NT2RP3002248

C-NT2RP3002273//SCD6 PROTEIN.//1.30E-09//295aa//28%//P45978

50 C-NT2RP3002276

C-NT2RP3002304

C-NT2RP3002501//THREONINE DEHYDRATASE CATABOLIC (EC 4.2.1.16) (THREONINE DEAMINASE).// 3.70E-43//318aa//37%//P05792

C-NT2RP3002529//Homo sapiens mRNA for leucocyte vacuolar protein sorting.//0//2276bp//99%//AJ133421

55 C-NT2RP3002566

C-NT2RP3002587

C-NT2RP3002590

- C-NT2RP3002650//"Mus musculus growth suppressor 1L (Gros1) mRNA, complete cds."//0//2109bp// 87%//AF165163
- C-NT2RP3002663//"Homo sapiens putative glycolipid transfer protein mRNA, complete cds."//8.10E-263//1243bp//97%//AF103731
- 5 C-NT2RP3002671//ELONGATION FACTOR 2 (EF-2).//2.50E-73//179aa//36%//P13060

C-NT2RP3002763

C-NT2RP3002861

C-NT2RP3002911

- C-NT2RP3002948//RING CANAL PROTEIN (KELCH PROTEIN).//2E-111//551aa//42%//Q04652
- 10 C-NT2RP3002953//"Homo sapiens protocadherin beta 5 (PCDH-beta5) mRNA, complete cds."//0// 2388bp//99%//AF152498
  - C-NT2RP3002988//"Homo sapiens IkB kinase-b (IKK-beta) mRNA, complete cds."//1.8E-292// 1325bp//99%//AF080158

C-NT2RP3003008

15 C-NT2RP3003101//"Mouse mRNA for tetracycline transporter-like protein, complete cds."//3.6E-83// 807bp//72%//D88315

C-NT2RP3003204

C-NT2RP3003278

C-NT2RP3003282//"Homo sapiens dynamin (DNM) mRNA, complete cds."//0//2596bp//98%//L36983 20 C-NT2RP3003290//"Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds."//1.5e-310//

1468bp//82%//AB033922 C-NT2RP3003302

C-NT2RP3003313//"Homo sapiens thyroid hormone receptor-associated protein complex component

25 C-NT2RP3003327//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)) (R052).//1.3E-35//178aa//44%//Q62191

C-NT2RP3003344

- C-NT2RP3003353//HYPOTHETICAL 26.2 KD PROTEIN IN GDI1-COX15 INTERGENIC REGION.//2.80E-07// 161aa//28%//P40084
- 30 C-NT2RP3003377
  - C-NT2RP3003385//"Mus musculus SKD3 mRNA, complete cds."//0//2133bp//85%//U09874 C-NT2RP3003433
  - C-NT2RP3003490//"Homo sapiens mRNA for KIAA0725 protein, partial cds."//0//2437bp//99%// AB018268
- 35 C-NT2RP3003491//"Drosophila melanogaster Pelle associated protein Pellino (Pli) mRNA, complete cds. "//5.6E-36//842bp//62%//AF091624
  - C-NT2RP3004206//CROOKED NECK PROTEIN.//1.4E-220//567aa//67%//P17886

TRAP80 mRNA, complete cds."//0//2476bp//99%//AF117657

- C-NT2RP3004207//Homo sapiens mRNA for type I transmembrane receptor (psk-1 gene).//0//2445bp//100%// AJ245820
- 40 C-NT2RP3004209//" Homo sapiens ubiquitin processing protease (Ubp-M) mRNA, complete cds. " //0// 2320bp//99%//AF126736
  - C-NT2RP3004242//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-CIOGENITAL DYSPLASIA PROTEIN HOMOLOG).//4.7E-13//118aa//33%//P52734 C-NT2RP3004246
- 45 C-NT2RP3004258//"Homo sapiens ZIS1 mRNA, complete cds."//0//1861bp//99%//AF065391 C-NT2RP3004262//"Homo sapiens heat shock protein hsp40-3 mRNA, complete cds."//2.4E-248// 1126bp//100%//AF088982 C-NT2RP3004341

C-NT2RP3004378

50 C-NT2RP3004424//Homo sapiens mRNA for stromal antigen 3 (STAG3 gene).//1E-66//364bp//93%//AJ007798 C-NT2RP3004428

- C-NT2RP3004454//"Homo sapiens mRNA for KIAA0448 protein, complete cds."//0//2875bp//99%//
- 55 C-NT2RP3004472//GERM CELL-LESS PROTEIN.//1.6E-61//170aa//40%//Q01820
  - C-NT2RP3004498//"Mus musculus ROSA 26 transcription AS ROSA26AS mRNA, complete cds."// 2E-249//1777bp//80%//U83176
  - C-NT2RP3004504//M.musculus mRNA for CPEB protein.//1.9E-295//893bp//92%//Y08260

C-NT2RP3004507//MOB1 PROTEIN (MPS1 BINDER 1).//3.7E-37//190aa//39%//P40484 C-NT2RP3004534//"Mouse oncogene (ect2) mRNA, complete cds."//0//2075bp//87%//L11316 C-NT2RP4000528//NPL4 PROTEIN //9.8E-86//515aa//37%//P33755 C-NT2RP4000907//"Mouse NLRR-1 mRNA for leucine-rich-repeat protein, complete cds."//0// 5 2127bp//86%//D45913 C-NT2RP4001029//" Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds. " //0//1711bp// 90%//U20086 C-NT2RP4001336//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN.//0.000016// 186aa//29%//024076 C-NT2RP4001389//KES1 PROTEIN.//1.70E-31//342aa//34%//P35844 10 C-NT2RP4001442 C-NT2RP4001529//"Mus domesticus nuclear binding factor NF2d9 mRNA, complete cds."/1.70E-255// 1148bp//90%//U20086 C-NT2RP4001656//VACUOLAR BIOGENESIS PROTEIN END1 (PEP5 PROTEIN).//1.10E-45//310aa//27%// 15 P12868 C-OVARC1000106//"TROPOMYOSIN 1, FUSION PROTEIN 33."//0.000032//165aa//27%//P49455 C-OVARC1000198 C-OVARC1000682//"PROCESSING ALPHA-1,2-MANNOSIDASE (EC 3.2.1.-) (ALPHA-1,2-MANNOSI-DASE 1B)."//1.1E-209//293aa//95%//P39098 20 C-OVARC1000703 C-OVARC1000722//" Homo sapiens chromosome 1q21-1q23 beta-1,4-galactosyltransferase mRNA, complete cds."//0//759bp//98%//AF038661 C-OVARC1000730 C-OVARC1000746//MATERNAL EFFECT PROTEIN STAUFEN.//0.000000017//78aa//48%//P25159 25 C-OVARC1000781 C-OVARC1000787 C-OVARC10008347/Homo sapiens mRNA for atopy related autoantigen CALCJ/2.8E-258//1183bp//99%//Y17711 C-OVARC1000846//NUCLEOLIN (PROTEIN C23).//0.0000097//109aa//30%//P08199 C-OVARC1000850//"Homo sapiens PB39 mRNA, complete cds."//0//2095bp//99%//AF045584 30 C-OVARC1000862//M.musculus mRNA for FT1.//5.9E-226//1498bp//81%//Z67963 C-OVARC1000876//MOB1 PROTEIN (MPS1 BINDER 1).//2.2E-50//206aa//52%//P40484 C-OVA-RC1000883 C-OVARC1000886 C-OVARC1000912 35 C-OVARC1000915//"Homo sapiens histone deacetylase 5 mRNA, complete cds."//1.60E-121//591bp// 97%//AF132608 C-OVARC1000924 C-OVARC1000964 C-OVARC1000984 40 C-OVARC1001004 C-OVARC1001010 C-OVARC1001011 C-OVARC1001032 C-OVARC1001044 45 C-OVARC1001055//PRE-B CELL ENHANCING FACTOR PRECURSOR.//1.9E-35//76aa//98%//P43490 C-OVARC1001068//" Homo sapiens Era GTPase A protein (HERA-A) mRNA, partial cds. " //0//1819bp// 99%//AF082657 C-OVARC1001074 C-OVARC1001092//" Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337, LLNLc110F185707 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin))."//2E-214//769bp//97%// 50 AJ005897 C-OVARC1001107//"Homo sapiens protein methyltransferase (JBP1) mRNA, complete cds."//6.1E-276//594bp//98%//AF167572 C-OVARC1001154//"Homo sapiens clone 24720 epithelin 1 and 2 mRNA, complete cds."//2.3E-296// 1561bp//93%//AF055008 55 C-OVARC1001161 C-OVARC1001167

C-OVARC1001170

C-OVARC1001171//" Homo sapiens translation initiation factor 3 47 kDa subunit mRNA, complete cds. " //5.7E-151//436bp//92%//U94855 C-OVARC1001173 C-OVARC1001176 5 C-OVARC1001180//UBIQUITIN-LIKE PROTEIN DSK2.//1.1E-11//221aa//25%//P48510 C-OVARC1001188 C-OVARC1001232//"CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT)."//5.10E-22//83aa//37%//Q10568 C-OVARC1001270 10 C-OVARC1001271//NUCLEOLAR TRANSCRIPTION FACTOR 1 (UPSTREAM BINDING FACTOR 1) (UBF-1).// 0.0000014//224aa//26%//P25976 C-OVARC1001306//N-MYC PROTO-ONCOGENE PROTEIN.//0.00000073//247aa//27%//P18444 C-OVARC1001344 C-OVARC1001369 15 C-OVARC1001372//"Homo sapiens mRNA for KIAA0897 protein, partial cds."//0//840bp//97%// AB020704 C-OVARC1001391 C-OVARC1001399 C-OVARC1001417//"Homo sapiens thyroid hormone receptor-associated protein complex component 20 TRAP170 mRNA, complete cds."//0//1715bp//99%//AF135802 C-OVARC1001419//"Homo sapiens GOK (STIM1) mRNA, complete cds."//4.9E-48//586bp//69%// U52426 C-OVARC1001436//ENL PROTEIN.//0.00000009//81aa//39%//Q03111 C-OVARC1001453 25 C-OVARC1001476//"/Mus musculus YGR163w mRNA homologue, complete cds."//1.80E-187// 510bp//89%//AB017616 C-OVARC1001480 C-OVARC1001489 C-OVARC1001506//POLYCYSTIN PRECURSOR (AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE 30 PROTEIN 1).//0//777aa//91%//P98161 C-OVARC1001525 C-OVARC1001555//NGG1-INTERACTING FACTOR 3.//4.4E-19//130aa//40%//P53081 C-OVARC1001577//Homo sapiens SRp46 splicing factor transcribed retropseudogene.//0//1167bp//100%// AF031165 35 C-OVARC1001600 C-OVARC1001610//" Homo sapiens choline/ethanolaminephosphotransferase (CEPT1) mRNA, complete cds."//0//1870bp//99%//AF068302 C-OVARC1001702 C-OVARC1001703//" Mus musculus ARL-6 interacting protein-2 (Aip-2) mRNA, complete cds. " // 3.5E-40 16//399bp//61%//AF133670 C-OVARC1001711//CORNIFIN B (SMALL PROLINE-RICH PROTEIN 1B) (SPR1B) (SPR1B).//2.80E-10//106aa// 38%//Q62267 C-OVARC1001713//ENDOZEPINE-RELATED PROTEIN PRECURSOR (MEMBRANE-ASSOCIATED DI-AZEPAM BINDING INHIBITOR) (MA-DBI).//4.4E-40//195aa//41%//P07106 45 C-OVARC1001726//APICAL-LIKE PROTEIN (APXL PROTEIN).//4.3E-16//116aa//43%//Q13796 C-OVARC1001731//"TROPOMYOSIN ALPHA CHAIN, FIBROBLAST ISOFORM F2."//4E-122// 282aa//85%//P08942 C-OVARC1001745 C-OVARC1001762//"N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA-50 AMINO, ACETYLTRANSFERASE 1)."//6.4E-85//514aa//34%//P12945 C-OVARC1001766//" Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds."//0//963bp//99%//U97670

C-OVARC1001768

AB014575

55

C-OVARC1001802

C-OVARC1001767//"Homo sapiens mRNA for KIAA0675 protein, complete cds."//0//2083bp//99%//

```
C-OVARC1001809//"Mus musculus sphingosine kinase (SPHK1a) mRNA, partial cds."//2.7E-190//
        1624bp//76%//AF068748
        C-OVARC1001828
        C-OVARC1001846
        C-OVARC1001861
        C-OVARC1001879
        C-OVARC1001880
        C-OVARC1001883
        C-OVARC1001916
10
        C-OVARC1001928
        C-OVARC1001942//&guot;N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA-
        AMINO, ACETYLTRANSFERASE 1)."//3.1E-81//497aa//35%//P12945
        C-OVARC1001943//"Mus musculus DEBT-91 mRNA, complete cds."//0//2035bp//87%//AF143859
        C-OVARC1001950
15
        C-OVARC1001987//"Rattus norvegicus DNA-binding protein PREB (Preb) mRNA, complete cds."//
        2.3E-220//652bp//84%//AF061817
        C-OVARC1002050//"Homo sapiens mRNA for actin binding protein ABP620, complete cds."//0//
        1019bp//99%//AB029290
        C-OVARC1002082
20
        C-OVARC1002107
        C-OVARC1002127//SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER 2 (BRAIN DIGOXIN CARRI-
        ER PROTEIN) (BRAIN-SPECIFIC ORGANIC ANION TRANSPORTER) (OATP-B1).//5.4E-52//306aa//35%//
        035913
        C-OVARC1002138//SAP1 PROTEIN.//7.6E-60//128aa//59%//P39955
25
        C-OVARC1002156
        C-OVARC1002158
        C-PLACE1000004//"Homo sapiens IDN3-B mRNA, complete cds."//0//2365bp//99%//AB019602
        C-PLACE1000040//TRANSFORMING PROTEIN P21/K-RAS 2B.//1.4E-17//185aa//32%//P08643
        C-PLACE1000048
30
        C-PLACE1000050
        C-PLACE1000061//Human ribosomal protein L37a mRNA sequence.//7.9E-54//190bp//94%//L22154
        C-PLACE1000081//"Human SEC7 homolog Tic (TIC) mRNA, complete cds."//0//2077bp//99%//
        U63127
        C-PLACE1000094
35
        C-PLACE1000133//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3).//
        1.8E-62//158aa//81%//P20290
        C-PLACE1000214
        C-PLACE1000236
        C-PLACE1000246
40
        C-PLACE1000292
        C-PLACE1000308
        C-PLACE1000332
        C-PLACE1000453
        C-PLACE1000583//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//1.60E-47//207aa//46%//
45
        P51522
        C-PLACE1000599
        C-PLACE1000610//MSN5 PROTEIN.//0.0000026//136aa//26%//P52918
        C-PLACE1000653//"Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds."//
        0//1992bp//99%//AF180371
50
        C-PLACE1000656//"Homo sapiens mRNA for JM4 protein, complete CDS (clone IMAGE 546750 and
        LLNLc110F1857Q7 (RZPD Berlin)).&guot://2.1E-277//1260bp//99%//AJ005896
        C-PLACE1000706//" Homo sapiens transcriptional intermediary factor 1 gamma mRNA, complete cds. "
        //0//1366bp//99%//AF119043
        C-PLACE1000712
55
        C-PLACE1000749
        C-PLACE1000769//"Homo sapiens CGI-18 protein mRNA, complete cds."//0//1985bp//98%//
        AF132952
```

C-PLACE1000786//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-

```
CIOGENITAL DYSPLASIA PROTEIN HOMOLOG).//7.10E-09//59aa//47%//P52734
        C-PLACE1000849
        C-PLACE1000856//"Homo sapiens mRNA for KIAA0974 protein, partial cds."//0//1310bp//100%//
        AB023191
5
        C-PLACE1000931
        C-PLACE1000987//"Homo sapiens mRNA for KIAA0724 protein, complete cds."//0//1749bp//99%//
        AR018267
        C-PLACE1001010
        C-PLACE1001015
        C-PLACE1001024
10
        C-PLACE1001062//"Homo sapiens PAC clone DJ1049N15 from 7g31,2-7g32, complete sequence."//
        2.7E-32//470bp//71%//AC006020
        C-PLACE1001104
        C-PLACE1001168
        C-PLACE1001171//MYOTUBULARIN.//7.1E-84//198aa//73%//Q13496
15
        C-PLACE1001185//"Homo sapiens mRNA for KIAA0943 protein, partial cds."//0//1668bp//99%//
        C-PLACE1001238//"Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds."//
        2E-202//1333bp//80%//D14336
20
        C-PLACE1001280
        C-PLACE1001294//M.musculus GEG-154 mRNA.//4.3E-221//1057bp//78%//X7I642
        C-PLACE1001304//"Homo sapiens zinc finger protein dp mRNA, complete cds."//0//2421bp//99%//
        AF153201
        C-PLACE1001311
25
        C-PLACE1001323
        C-PLACE1001351
        C-PLACE1001414
        C-PLACE1001440
        C-PLACE1001456
        C-PLACE1001517//" Homo sapiens gene for glycosylphosphatidylinositol anchor attachment 1 (GPAA1),
30
        complete cds."//4.60E-112//392bp//87%//AB002137
        C-PLACE1001602//CCR4-ASSOCIATED FACTOR 1 (CAF1).//5.7E-130//244aa//99%//Q60809
        C-PLACE1001632//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.4E-118//429aa//48%//
        P51523
35
        C-PLACE1001634
        C-PLACE1001640
        C-PLACE1001672//PROBABLE AMINOTRANSFERASE T01B11.2 (EC 2.6.1.-).//4.3E-66//174aa//45%//P91408
        C-PLACE1001705
        C-PLACE1001716
40
        C-PLACE1001720
        C-PLACE1001745
        C-PLACE1001748//"Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds."//0//2602bp//99%//
        AF061243
        C-PLACE1001771//Homo sapiens mRNA for transient receptor potential protein
        TRP6.//0//2900bp//99%//AJ006276
45
        C-PLACE1001799
        C-PLACE1001845//"Mus musculus cyclin ania-6a mRNA, complete cds."//3.30E-31//925bp//62%//
        AF159159
        C-PLACE1001897
50
        C-PLACE1002090//SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (SRP72),//6.5E-58//112aa//100%//
        076094
        C-PLACE1002171//TRANSCRIPTION REGULATORY PROTEIN SWI3 (SWI/SNF COMPLEX COMPONENT
        SWI3) (TRANSCRIPTION FACTOR TYE2).//0.00005//179aa//23%//P32591
55
        C-PLACE1002227
        C-PLACE1002259
        C-PLACE1002319
```

C-PLACE1002395//"Mus musculus mRNA for UBE-1c1, UBE-1c2, UBE-1c3, complete cds."//7.9E-

|    | 100//966bp//75%//AB030505   |
|----|---|
|    | C-PLACE1002477  |
|    | C-PLACE1002493//"Homo sapiens signal transducing adaptor molecule 2A (STAM2) mRNA, complete cds |
|    | "//1.7E-113//545bp//98%//AF042273   |
| 5  | C-PLACE1002500  |
|    | C-PLACE1002514  |
|    | C-PLACE1002532//HOMEOBOX PROTEIN DLX-5.//1.2E-152//289aa//96%//P70396                           |
|    | C-PLACE1002537  |
|    |   |
| 10 | C-PLACE1002571//ACTIN-LIKE PROTEIN 13E.//5E-99//386aa//48%//P45890                              |
| 10 | C-PLACE10025 83//"GLUTAMATE RECEPTOR, IONOTROPIC KAINATE 2 PRECURSOR (GLUTAMATE                 |
|    | RECEPTOR 6) (GLUR-6) (GLUTAMATE RECEPTOR BETA-2) (GLUR BETA-2) (FRAGMENT)."//5.6E-34/           |
|    | 76aa//98%//P39087   |
|    | C-PLACE1002598//OLIGORIBONUCLEASE (EC 3.1).//5.5E-17//76aa//56%//P45340                         |
|    | C-PLACE1002625  |
| 15 | C-PLACE1002655//ADSEVERIN (SCINDERIN)(SC).//2.5E-278//543aa//92%//Q28046                        |
|    | C-PLACE1002768  |
|    | C-PLACE1002782//"Rattus norvegicus zinc transporter (ZnT-2) mRNA, complete cds."//3.8E-43/      |
|    | 385bp//77%//U50927  |
|    | C-PLACE1002816//HISTONE DEACETYLASE HDA1.//2.20E-48//217aa//46%//P53973                         |
| 20 | C-PLACE1002853  |
|    | C-PLACE1002908//"Homo sapiens XGaIT-1 mRNA for galactosyltransferase I, complete cds."//0/      |
|    | 1654bp//99%//AB028600   |
|    | C-PLACE1002962  |
|    | C-PLACE1002968  |
| 25 | C-PLACE1002991//PUTATIVE AMIDASE (EC 3.5.1.4).//1.4E-78//496aa//37%//Q49091                     |
|    | C-PLACE1003025  |
|    | C-PLACE1003027//"Homo sapiens mRNA for KIAA0516 protein, partial cds."//2.1e-314//1417bp        |
|    | 100%//AB011088  |
|    | C-PLACE1003044//"Homo sapiens mRNA for KIAA0829 protein, partial cds."//0//1382bp//96%/         |
| 30 | AB020636  |
|    | C-PLACE1003176  |
|    | C-PLACE1003238//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001.//4.9E-76//309aa//47%/             |
|    | Q15391  |
|    | C-PLACE1003256  |
| 35 | C-PLACE1003258//EARLY EMBRYOGENESIS ZYG-11 PROTEIN.//7.9E-22//70aa7/47%//P21541                 |
|    | C-PLACE1003343  |
|    | C-PLACE1003361  |
|    | C-PLACE1003366//"Homo sapiens otoferlin (OTOF) mRNA, complete cds."//1.4E-78//542bp//67%/       |
|    | AF107403  |
| 40 | C-PLACE1003373  |
|    | C-PLACE1003375  |
|    | C-PLACE1003394//"Sprague-Dawley (clone LRB13) RAB14 mRNA, complete cds."//2.30E-150/            |
|    | 774bp//94%//M83680  |
|    | C-PLACE1003420//PUTATIVE MITOCHONDRIAL CARRIER YIL006W.//1.3E-40//278aa//36%//P40556            |
| 45 | C-PLACE1003454  |
|    | C-PLACE1003478  |
|    | C-PLACE1003516  |
|    | C-PLACE1003519//H.sapiens hnRNP-E2 mRNA.//5.1E-218//905bp//99%//X78136                          |
|    | C-PLACE1003521//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III.//0.0000011//101aa//32%/        |
| 50 | Q09475  |
|    | C-PLACE1003528  |
|    | C-PLACE1003537//ENDOSOMAL P24A PROTEIN PRECURSOR (70 KD ENDOMEMBRANE PROTEIN) (PHE              |
|    | ROMONE ALPHA-FACTOR TRANSPORTER) (ACIDIC 24 KD LATE ENDOCYTIC INTERMEDIATE COMPO                |
|    | NENT).//7.7E-68//404aa//33%//P32802   |
| 55 | C-PLACE1003566  |
|    | C-PLACE1003584  |
|    | # ·   |

C-PLACE1003593

C-PLACE1003605//HAP5 TRANSCRIPTIONAL

```
ACTIVATOR.//0.00000023//82aa//35%//Q02516
         C-PLACE1003618
         C-PLACE1003638
         C-PLACE1003738//ZINC FINGER PROTEIN 135.//9.6E-118//350aa//46%//P52742
5
         C-PLACE1003760//"Homo sapiens tetraspanin TM4-A mRNA, complete cds."//5.2E-289//1313bp//
         97%//AF133423
         C-PLACE1003768
        C-PLACE1003795
        C-PLACE1003886
        C-PLACE1003888//"Homo sapiens mRNA for KIAA1092 protein, partial cds."//0//2057bp//99%//
10
        C-PLACE1003903//CTP SYNTHASE (EC 6.3.4.2) (UTP--AMMONIA LIGASE) (CTP SYNTHETASE).//1.4E-243//
        584aa//74%//P17812
         C-PLACE1003915//"PROBABLE ARGINYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.19) (AR-
15
        GININE- -TRNA LIGASE) (ARGRS)."//2.4E-108//581aa//40%//Q05506
        C-PLACE1004118
        C-PLACE1004256//"Mus musculus short coiled coil protein SCOCO (Scoc) mRNA, complete cds."//
        2E-93//960bp//76%//AF115778
        C-PLACE1004274
20
        C-PLACE1004284
        C-PLACE1005331
        C-PLACE1005739//Homo sapiens mRNA; cDNA DKFZp564A032 (from clone DKFZp564A032).//0//2190bp//
        99%//AL050267
        C-PLACE1005828
25
        C-PLACE1005876//"CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT
        (CPSF 100 KD SUBUNIT)."//0//730aa//99%//Q10568
        C-PLACE1005890//BEM46 PROTEIN (FRAGMENT).//9.9E-42//224aa//43%//P54069
        C-PLACE1006157//E-SELECTIN PRECURSOR (ENDOTHELIAL LEUKOCYTE ADHESION MOLECULE 1)
        (ELAM-1) (LEUKOCYTE-ENDOTHELIAL CELL ADHESION MOLECULE 2) (LECAM2) (CD62E).//2E-28//236aa//
30
        30%//P98110
        C-PLACE1007053
        C-PLACE1007068
        C-PLACE1008368//RING CANAL PROTEIN (KELCH PROTEIN).//5.3E-26//309aa//30%//Q04652
        C-PLACE1009921
35
        C-PLACE1010401
        C-PLACE1010856
        C-PLACE1010857
        C-PLACE1010917
        C-PLACE1010925
40
        C-PLACE1010926//"Homo sapiens mRNA for KIAA0554 protein, partial cds."//0//1160bp//100%//
        C-PLACE1010942//"Homo sapiens intersectin long isoform (ITSN) mRNA, complete cds."//0//1440bp//
        99%//AF114487
        C-PLACE1010944
45
        C-PLACE1010954
        C-PLACE1010960//ACTIN-LIKE PROTEIN 13E.//5.3E-98//297aa//48%//P45890
        C-PLACE1011026
        C-PLACE1011046//"1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 1
        (EC 3.1.4.11) (PLC-BETA-1) (PHOSPHOLIPASE C-BETA-1) (PLC-I) (PLC-154)."//0//646aa//97%//P10894
50
        C-PLACE1011054
        C-PLACE1011057
        C-PLACE1011109//"ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G)."//1.50E-
        22//63aa//88%//Q07803
        C-PLACE1011114//PROBABLE ATP-DEPENDENT RNA HELICASE HAS1.//2.9E-71//190aa//44%//Q03532
55
        C-PLACE1011133
        C-PLACE1011143
        C-PLACE1011165
        C-PLACE1011185//INSERTION ELEMENT IS1 PROTEIN INSB.//1.3E-89//167aa//100%//P03830
```

- C-PLACE1011219//PROBABLEOXIDOREDUCTASE (EC 1.-.-.).//3.2E-12//212aa//29%//Q03326 C-PLACE1011221
- C-PLACE1011263//Homo sapiens mRNA; cDNA DKFZp5640043 (from clone DKFZp564O043).//0//2487bp//99%//AL050390
- 5 C-PLACE1011325
  - C-PLACE1011332//"Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds."// 7.2E-151//697bp//99%//AF102265
  - C-PLACE1011340//"Homo sapiens IDN3-B mRNA, complete cds."//1.20E-74//380bp//97%// AB019602
- 10 C-PLACE1011399//"Homo sapiens CGI-72 protein mRNA, complete cds."//3.2E-90//427bp//99%// AF151830
  - C-PLACE1011433//"Homo sapiens mRNA for KIAA0530 protein, partial cds."//0//1946bp//99%//AB011102
  - C-PLACE1011452
- 15 C-PLACE1011465
  - C-PLACE1011472//"Homo sapiens mRNA for KIAA0712 protein, complete cds."//0//2022bp//99%//AB018255
  - C-PLACE1011477//"Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds."//0//2040bp//99%// AF065482
- 20 C-PLACE1011492//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).// 4.90E-11//147aa//32%//P52178
  - C-PLACE1011520
  - C-PLACE1011563
  - C-PLACE1011567
- C-PLACE1011576//"Human Kruppel related zinc finger protein (HTF10) mRNA, complete cds."//0// 1791bp//82%//L11672
  - C-PLACE1011586
  - C-PLACE1011643
  - C-PLACE1011649
- 30 C-PLACE1011664//CROOKED NECK PROTEIN.//1.6E-187//505aa//64%//P17886
  - C-PLACE1011682
  - C-PLACE1011719
  - C-PLACE1011729
  - C-PLACE1011858//Homo sapiens mRNA; cDNA DKFZp586C021 (from clone DKFZp586C021).//0//1490bp// 99%//AL050287
  - C-PLACE1011874

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- C-PLACE1011875//"Homo sapiens mRNA for KIAA0580 protein, partial cds."//4.1E-112//524bp// 100%//AB011152
- C-PLACE1011923//"Homo sapiens serum-inducible kinase mRNA, complete cds."//0//2782bp//99%// AF059617
  - C-PLACE1011982
  - C-PLACE2000014//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III.//2.6E-42//104aa//49%//Q09475
- C-PLACE2000015//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN 45 EPS15) (AF-1P PROTEIN).//1.1E-116//364aa//45%//P42566
  - C-PLACE2000017
    - C-PLACE2000021//"Homo sapiens TRF1-interacting ankyrin-related ADP-ribose polymerase mRNA, complete cds."//2.7E-107//981bp//74%//AF082556
    - C-PLACE2000047
- C-PLACE2000062//"Homo sapiens mRNA for type II membrane protein similar to HIV gp120-binding C-type lectin, complete cds, clone:HP01347."//6.3E-166//656bp//94%//AB015629
  - C-PLACE2000100
  - C-PLACE2000111
  - C-PLACE2000172
- 55 C-PLACE2000187
  - C-PLACE2000216//"Dog nonerythroid beta-spectrin mRNA, 3' end.&quot,//3.2E-253//1799bp//83%//L02897 C-PLACE2000246//"Homo sapiens mRNA for KIAA0795 protein, partial cds."//4.60E-172//796bp//99%//AB018338

|     |    |    |    |    |    | _ |
|-----|----|----|----|----|----|---|
| C-P | ΙΑ | CE | つの | ററ | 31 | 7 |

C-PLACE2000341//"Homo sapiens sodium-dependent multivitamin transporter (SMVT) mRNA, complete cds."/0//1554bp//99%//AF069307

C-PLACE2000366

5 C-PLACE2000373//F-SPONDIN PRECURSOR.//8.6E-16//371aa//28%//P35446

C-PLACE2000394

C-PLACE2000398//LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) (EC 3.1.3.48).//6.3E-37//90aa//98%//P10586

C-PLACE2000411//"Homo sapiens mRNA for KIAA1037 protein, partial cds."//0//2515bp//99%// AB028960

C-PLACE2000425

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C-PLACE2000427//PROBABLE HELICASE MOT1.//1.2E-26//200aa//27%//P32333

C-PLACE2000433

C-PLACE2000438//"POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PRO-

TEIN- UDP ACETYLGALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N-ACETYLGALAC-TOSAMINYLTRANSFERASE)(GALNAC-T1)."//2.1E-86//348aa//41%//Q10472

C-PLACE2000458//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN).//2.5E-25// 165aa//40%//P33450

C-PLACE2000477//"Homo sapiens putative secreted protein (ZSIG11) mRNA, complete cds."//6.7E-127//671bp//94%//AF072733

C-PLACE3000009

C-PLACE3000020//"Homo sapiens type III adenylyl cyclase (AC-III) mRNA, complete cds."//0// 2253bp//99%//AF033861

C-PLACE3000103

25 C-PLACE3000142

C-PLACE3000145//TENSIN.//1E-108//277aa//75%//Q04205

C-PLACE3000156

C-PLACE3000157

C-PLACE3000197

30 C-PLACE3000208

C-PLACE3000226//"Homo sapiens mRNA for KIAA0962 protein, partial cds."//0//4805bp//99%// AB023179

C-PLACE3000242//"Homo sapiens mRNA for KIAA1114 protein, complete cds."//0//2786bp//96%//AB029037

35 C-PLACE3000363

C-PLACE3000405

C-PLACE3000416//"Homo sapiens mRNA for actin binding protein ABP620, complete cds."//1.80E-141//565bp//98%//AB029290

C-PLACE3000477

40 C-PLACE4000106//"Homo sapiens mRNA for KIAA0462 protein, partial cds."//0//6702bp//99%// AB007931

C-PLACE4000323

C-PLACE4000326//NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT SUPPRESSOR 1).//8.10E-24//319aa//31%//P30771

45 C-PLACE4000369//"Homo sapiens mRNA for KIAA1025 protein, partial cds."//0//4830bp//99%// AB028948

C-PLACE4000445//Homo sapiens mRNA; cDNA DKFZp434C212 (from clone DKFZp434C212).//0//2565bp//99%//AL080196

C-PLACE4000558//"Homo sapiens mRNA for KIAA0729 protein, partial cds."//0//1051bp//97%//AB018272

C-PLACE4000581//FIBROPELLIN I PRECURSOR (EPIDERMAL GROWTH FACTOR-RELATED PROTEIN 1) (UEGF-1).//9.3E-70//226aa//52%//P10079

C-PLACE4000593

C-PLACE4000612//POL POLYPROTEIN [CONTAINS: PROTEASE (EC 3.4.23.-); REVERSE TRANSCRIPTASE (EC 2.7.7.49); ENDONUCLEASE].//7.1E-154//340aa//40%//P21414

C-PLACE4000670

C-THYRO1000026

C-THYRO1000085//"/PAIRED BOX PROTEIN PAX-8, ISOFORMS 8A/8B."//2E-72//155aa//92%//

|     | Q06710   |
|-----|--|
|     | C-THYRO1000107   |
|     | C-THYRO1000111   |
|     | C-THYRO1000132//" Homo sapiens echinoderm microtubule-associated protein homolog HuEMAP mRNA,      |
| 5   | complete cds."//1.1E-159//824bp//95%//U97018   |
|     | C-THYRO1000156   |
|     | C-THYRO1000173//"Homo sapiens AP-mu chain family member mu1B (HSMU1B) mRNA, complete cds.          |
|     | "//0//1713bp//99%//AF020797  |
|     | C-THYRO1000186   |
| 10  | C-THYRO1000187   |
| ,,, | C-THYRO1000187   |
|     | C-THYRO1000247   |
|     |  |
|     | C-THYRO1000327//"Homo sapiens autocrine motility factor receptor (AMFR) mRNA, complete cds."       |
| 15  | //0//1567bp//99%//AF124145   |
| 13  | C-THYRO1000452   |
|     | C-THYRO1000471   |
|     | C-THYRO1000484   |
|     | C-THYRO1000502   |
| 20  | C-THYRO1000505   |
| 20  | C-THYRO1000585//"Homo sapiens protein associated with Myc mRNA, complete cds."//0//1901bp//        |
|     | 99%//AF075587  |
|     | C-THYRO1000596   |
|     | C-THYRO1000662//"Homo sapiens XPV mRNA for DNA polymerase eta, complete cds."//0//2341 bp//        |
|     | 99%//AB024313  |
| 25  | C-THYRO1000666//Mus musculus mRNA for kinesin like protein 9.//0//2001bp//86%//AJ132889            |
|     | C-THYRO1000715   |
|     | C-THYRO1000734   |
|     | C-THYRO1000748//RHO-GAP HEMATOPOIETIC PROTEIN C1 (P115) (KIAA0131).//3.30E-96//335aa//52%//        |
|     | P98171   |
| 30  | C-THYRO1000756//"ALPHA-N-ACETYLGALACTOSAMINIDE ALPHA-2,6-SIALYLTRANSFERASE (EC                     |
|     | 2.4.99) (ST6GALNACIII) (STY)."//1.8E-55//243aa//42%//Q64686  |
|     | C-THYRO1000777   |
|     | C-THYRO1000783//"Xenopus laevis tail-specific thyroid hormone up-regulated (gene 5) mRNA, complete |
|     | cds."//2.4E-157//1656bp//70%//U37373   |
| 35  | C-THYRO1000787   |
|     | C-THYRO1000793   |
|     | C-THYRO1000796 .   |
|     | C-THYRO1000843   |
|     | C-THYRO1000852//" Human branched chain aminotransferase precursor (BCATm) mRNA, nuclear gene en-   |
| 40  | coding mitochondrial protein, complete cds."//3.3E-147//790bp//93%//U68418                         |
|     | C-THYRO1000865   |
|     | C-THYRO1000895   |
|     | C-THYRO1000926//" Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.       |
|     | "//0//2387bp//99%//AF079529  |
| 45  | C-THYRO1000951//DIHYDROXYACETONE KINASE 2 (EC 2.7.1.29) (GLYCERONE KINASE).//5E-83//566aa//        |
|     | 37%//P43550  |
|     | C-THYRO1000952   |
|     | C-THYRO1000983//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (EC 6.3.2.19) (UBIQUITIN-PROTEIN           |
|     | LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B).//6.30E-17//143aa//39%//P35132                   |
| 50  | C-THYRO1001003//UBIQUITIN-CONJUGATING ENZYME E2-21.2 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN           |
|     | LIGASE) (UBIQUITIN CARRIER PROTEIN).//5.90E-14//84aa//41%//P52491                                  |
|     | C-THYRO1001031   |
|     | C-THYRO1001062   |
|     | C-THYRO1001100//ZINC FINGER X-LINKED PROTEIN ZXDA (FRAGMENT).//1.2E-67//245aa//62%//P98168         |
| 55  | C-THYRO1001133   |
|     | C-THYRO1001134//"Homo sapiens CGI-78 protein mRNA, complete cds."//0//1898bp//99%//                |
|     | AF151835   |

C-THYRO1001173

|    | ·  |
|----|--|
|    | C-THYRO1001213   |
|    | C-THYRO1001321   |
|    | C-THYRO1001322   |
|    | C-THYRO1001365   |
| 5  | C-THYRO1001401   |
|    | C-THYRO1001411   |
|    | C-THYRO1001434   |
|    | C-THYRO1001534   |
|    | C-THYRO1001541   |
| 10 | C-THYRO1001559   |
|    | C-THYRO1001570   |
|    | C-THYRO1001595   |
|    | C-THYRO1001605   |
|    | C-THYRO1001617//Homo sapiens cDNA for dihydroxyacetone phosphate acyltransferase (DAP-AT).//0//1784bp//      |
| 15 | 99%//AJ002190  |
|    | C-THYRO1001656//"Homo sapiens Leman coiled-coil protein (LCCP) mRNA, complete cds."//4.1E-                   |
|    | 273//1947bp//82%//AF175968   |
|    | C-THYRO1001671//Homo sapiens mRNA for 2'-5' oligoadenylate synthetase 59 kDa isoform.//0//1820bp//99%//      |
|    | AJ225089   |
| 20 | C-THYRO1001673   |
|    | C-THYRO1001703//NIFR3-LIKE PROTEIN.//2.90E-32//282aa//32%//P45672  |
|    | C-THYRO1001706   |
|    | C-THYRO1001738//TUBULIN-TYROSINE LIGASE (EC 6.3.2.25) (TTL).//2.4E-20//217aa//30%//P38584                    |
|    | C-THYRO1001745   |
| 25 | C-THYRO1001793   |
|    | C-THYRO1001809//MYOCYTE NUCLEAR FACTOR (MNF).//1.4E-74//158aa//89%//P42128                                   |
|    | C-THYRO1001895   |
|    | C-THYRO1001907   |
| 20 | C-VESEN1000122   |
| 30 | C-Y79AA1000037//DNA-BINDING PROTEIN BMI-1.//2.4E-30//80aa//60%//P25916                                       |
|    | C-Y79AA1000059//"Homo sapiens immunophilin homolog ARA9 mRNA, complete cds."//2.9E-70//                      |
|    | 1040bp//65%//U78521  |
|    | C-Y79AA100065  |
| 35 | C-Y79AA1000131   |
| 00 | C-Y79AA1000181//"Homo sapiens CGI-01 protein mRNA, complete cds."//0//1858bp//99%//<br>AF132936              |
|    | C-Y79AA1000202   |
|    | C-Y79AA1000202  C-Y79AA1000214//"Homo sapiens histone H2A.F/Z variant (H2AV) mRNA, complete cds."//7.1E-71// |
|    | 345bp//100%//AF081192  |
| 40 | C-Y79AA1000230   |
|    | C-Y79AA1000258   |
|    | C-Y79AA1000268//"Mus musculus Nip21 mRNA, complete cds."//2.10E-50//648bp//64%//AF035207                     |
|    | C-Y79AA1000313//CALPHOTIN.//0.000011//336aa//23%//Q02910   |
|    | C-Y79AA1000328//SEL-10 PROTEIN.//0.000000067//219aa//25 %//Q93794  |
| 45 | C-Y79AA1000355   |
|    | C-Y79AA1000368//REDUCED VIABILTTY UPON STARVATION PROTEIN 161.//4E-20//261 aa//27%//P25343                   |
|    | C-Y79AA1000420   |
|    | C-Y79AA1000469//"Mus musculus ancient ubiquitous 46 kDa protein AUP1 precursor (Aup1) mRNA, com-             |
|    | plete cds."//8.30E-252//1207bp//85%//U41736  |
| 50 | C-Y79AA1000480   |
|    | C-Y79AA1000540   |
|    | C-Y79AA1000560//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE                           |
|    | CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA                      |
|    | C SUBUNIT).//0//652aa//98%//P17427   |
| 55 | C-Y79AA1000574//Homo sapiens clone H17 unknown mRNA.//0//1932bp//99%//AF103801                               |
|    | C-Y79AA1000627//"Homo sapiens zinc finger protein (ZF5128) mRNA, complete cds."//2E-287//203                 |
|    | lbp//82%//AF060503   |
|    | C-Y79AA1000705//M.musculus mRNA of enhancer-trap-locus 1.//5.80E-254//1477bp//84%//X69942                    |
|    |  |

- C-Y79AA1000734//"Homo sapiens peroxisomal biogenesis factor (PEX11b) mRNA, complete cds."// 0//1594bp//99%//AF093670
- C-Y79AA1000748//"Homo sapiens CGI-05 protein mRNA, complete cds."//1.9E-239//1367bp//91%//AF152097
- 5 C-Y79AA1000752//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP).//
  4.9E-91//200aa//64%//Q61990
  - C-Y79AA1000774
  - C-Y79AA1000782//CYTOSOLIC PURINE 5'-NUCLEOTEDASE (EC 3.1.3.5).//3E-37//469aa//27%//P49902
  - C-Y79AA1000784//"Homo sapiens RanBP7/importin 7 mRNA, complete cds."//1.10E-236//1076bp//
- 10 99%//AF098799
  - C-Y79AA1000794//"Homo sapiens actin-associated protein 2E4/kaptin (2E4) mRNA, 2E4-1 allele, complete cds."//0//1610bp//99%//AF105369
  - C-Y79AA1000800//"Homo sapiens putative secreted protein (ZSIG11) mRNA, complete cds."//1.6E-284//1288bp//99%//AF072733
- 15 C-Y79AA1000805
  - C-Y79AA1000824
  - C-Y79AA1000833//TUBULIN ALPHA-1 CHAIN.//5E-173//220aa//79%//P05209
  - C-Y79AA1000850
  - C-Y79AA1000962//"MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II)."//
- <sup>20</sup> 4.2E-17//430aa//27%//Q99323
  - C-Y79AA1000968//"Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds."//3.9E-248//1468bp//87%//U38253
  - C-Y79AA1000976
  - C-Y79AA1001023
- 25 C-Y79AA1001041
  - C-Y79AA1001048//"ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR (EC 1.3.99.-) (VLCAD)."//3.1E-138//583aa//47%//P45953
  - C-Y79AA1001077
  - C-Y79AA1001078
- 30 C-Y79AA1001145
  - C-Y79AA1001177
  - C-Y79AA1001185
  - C-Y79AA1001211//" Homo sapiens origin recognition complex subunit 6 (ORC6) mRNA, complete cds. " //0//1435bp//99%//AF139658
- 35 C-Y79AA1001228
  - C-Y79AA1001233//ESTRADIOL 17 BETA-DEHYDROGENASE 1 (EC 1.1.1.62) (17-BETA-HSD 1) (17-BETA-HYDROXYSTEROID DEHYDROGENASE 1).//7.7E-50//228aa//42%//P51657
  - C-Y79AA1001236//" Homo sapiens mRNA for JM23 protein, complete coding sequence (clone IMAGE 34581 and IMAGE 45355 and LLNLc110I133Q7 (RZPD Berlin)). " //0//1653bp//99%//AJ005892
- 40 C-Y79AA1001281
  - C-Y79AA1001312//ZINC FINGER PROTEIN MLZ-4 (ZINC FINGER PROTEIN 46).//0.0000000023//193aa//30%//Q03309
  - C-Y79AA1001323//"Mus musculus mRNA for GSG1, complete cds."//3.3E-172//1171bp//83%// D87325
- <sup>45</sup> C-Y79AA1001391//HOMEOBOX PROTEIN HOX-A13 (HOX-1J),//1.2E-58//178aa//66%//P31271
  - C-Y79AA1001394//CELL DIVISION PROTEIN FTSH HOMOLOG (EC 3.4.24.-).//1.2E-13//230aa//32%//O83746 C-Y79AA1001402//"Homo sapiens paraneoplastic cancer-testis-brain antigen (MA4) mRNA, partial cds. "//8.50E-65//784bp//62%//AF083115
- C-Y79AA1001493//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B).//3.80E-18//151aa//38%//P35132
  - C-Y79AA1001533//"Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds."// 4.5E-193//1333bp//80%//D14336
    - C-Y79AA1001541
  - C-Y79AA1001548//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KI-NASE) (PI4K-ALPHA).//7.5E-76//85aa//90%//P42356
  - C-Y79AA1001555

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C-Y79AA1001581//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-TIVATING ENZYME).//1.9E-40//482aa//27%//P27550

C-Y79AA1001585

C-Y79AA1001603//"POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PROTEIN- UDP ACETYLGALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N-ACETYLGALACTOSAMINYLTRANSFERASE) (GALNAC-T1)."//1.7E-84//313aa//48%//Q07537

5 C-Y79AA1001613//ZINC FINGER PROTEIN 132.//3.8E-91//209aa//41%//P52740

C-Y79AA1001665

C-Y79AA1001679//"Homo sapiens lambda-crystallin mRNA, complete cds."//3.4e-310//1430bp//98%//AF077049

C-Y79AA1001696//"Homo sapiens mRNA for KIAA1109 protein, partial cds."//0//1669bp//100%// AB029032

C-Y79AA1001705//"Homo sapiens p53 regulated PA26-T2 nuclear protein (PA26) mRNA, complete cds. &quot://3.4E-47//626bp//68%//AF033120

C-Y79AA1001711//"Human 60-kdal ribonucleoprotein (Ro) mRNA, complete cds."//1.2E-258// 1185bp//99%//J04137

15 C-Y79AA1001781

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C-Y79AA1001805

C-Y79AA1001827//"Homo sapiens mammalian inositol hexakisphosphate kinase 2 (IP6K2) mRNA, complete cds."//0//1689bp//98%//AF177145

C-Y79AA1001846

20 C-Y79AA1001923

C-Y79AA1001963//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C.//1E-10//94aa//47%//O42643

C-Y79AA1002027//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42).//9.9E-39//143aa//52%//P42743

25 C-Y79AA1002083//H.sapiens mRNA for MUF1 protein.//5E-163//752bp//99%//X86018

C-Y79AA1002089

C-Y79AA1002115

C-Y79AA1002125

C-Y79AA1002204

30 C-Y79AA1002208//ANKYRIN.//8.1E-34//188aa//38%//Q02357

C-Y79AA1002209//"Homo sapiens CGI-04 protein mRNA, complete cds."//0//1617bp//99%// AF132939

C-Y79AA1002229//DNA CROSS-LINK REPAIR PROTEIN PSO2/SNM1.//7.10E-17//213aa//31%//P30620

C-Y79AA1002246//SYNAPTOTAGMIN V.//1.6E-28//286aa//32%//000445

35 C-Y79AA1002298

C-Y79AA1002307//"Homo sapiens astrotactin2 (ASTN2) mRNA, complete cds."//0//1209bp//99%// AF116574

C-Y79AA1002311//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein.//2.9E-186//1130bp//82%//X67877

40 C-Y79AA1002351

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C-Y79AA1002407

C-Y79AA1002433//" Homo sapiens chromatin-specific transcription elongation factor FACT 140 kDa subunit mRNA, complete cds. " // 0//1545bp//96% // AF152961

C-Y79AA1002472//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.5E-136//472aa//49%//Q05481

Homology Search Result Data 13.

[0333] Data obtained by the homology search for full-length nucleotide sequences and deduced amino acid sequences. Each data includes Clone name, Definition in hit data, P value, Length of sequence to be compared, Homology, and Accession number (No.) of hit data. These items are shown in this order and separated by a double-slash mark, //.

C-HEMBA1000042

C-HEMBA1000141//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds.//0//1135bp//100%// AF196304

C-HEMBA1000150//H.sapiens gene for U5 snRNP-specific 200kD protein.//2.50E-153//525bp//91%//Z70200

C-HEMBA1000213

C-HEMBA1000243

```
C-HEMBA1000244
         C-HEMBA1000251
         C-HEMBA1000338
        C-HEMBA1000357
5
        C-HEMBA1000376
        C-HEMBA1000428
        C-HEMBA1000469
        C-HEMBA1000497
        C-HEMBA1000561//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//3.40E-37//674aa//
10
        25%//Q05481
        C-HEMBA1000569//GPI-ANCHORED PROTEIN P137.//6.50E-19//265aa//32%//Q60865
        C-HEMBA1000575
        C-HEMBA1000591//PTB-ASSOCIATED SPLICING FACTOR (PSF).//2.20E-17//198aa//40%//P23246
        C-HEMBA1000673
15
        C-HEMBA1000702
        C-HEMBA1000722
        C-HEMBA1000726
        C-HEMBA1000876
        C-HEMBA1000942
20
        C-HEMBA1000943
        C-HEMBA1000960
        C-HEMBA1000985
        C-HEMBA1001019//CELL DIVISION CONTROL PROTEIN 2 HOMOLOG (EC 2.7.1.-) (P34 PROTEIN KINASE)
        (CYCLIN-DEPENDENT KINASE 1) (CDK1).//3.10E-10//70aa//58%//P06493
25
        C-HEMBA1001020
        C-HEMBA1001024
        C-HEMBA1001026
        C-HEMBA1001051
        C-HEMBA1001060
30
        C-HEMBA1001071//PROCOLLAGEN ALPHA 1(III) CHAIN PRECURSORS.//1.50E-92//82aa//100%//P02461
        C-HEMBA1001077//Homo sapiens transcriptional intermediary factor 1 gamma mRNA, complete cds.//2.00E-80//
        432bp//94%//AF119043
        C-HEMBA1001099
        C-HEMBA1001121
35
        C-HEMBA1001123
        C-HEMBA1001208
        C-HEMBA1001213
        C-HEMBA1001226
        C-HEMBA1001247
40
        C-HEMBA1001299
        C-HEMBA1001319
        C-HEMBA1001323
        C-HEMBA1001327
        C-HEMBA1001361
45
        C-HEMBA1001375
        C-HEMBA1001377
        C-HEMBA1001383
        C-HEMBA1001391
        C-HEMBA1001411
50
        C-HEMBA1001432
        C-HEMBA1001433
        C-HEMBA1001435
        C-HEMBA1001442
        C-HEMBA1001463
55
        C-HEMBA1001515
        C-HEMBA1001522
        C-HEMBA1001557
        C-HEMBA1001566
```

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C-HEMBA1001589
        C-HEMBA1001608
        C-HEMBA1001636
        C-HEMBA1001647
5
        C-HEMBA1001651
        C-HEMBA1001658
        C-HEMBA1001675//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS9.//5.40E-09//101aa//35%//
        P54787
        C-HEMBA1001712
        C-HEMBA1001734//CADHERIN-11 PRECURSOR (OSTEOBLAST-CADHERIN) (OB-CADHERIN) (OSF-4).//
10
        1.10E-38//87aa//96%//P55288
        C-HEMBA1001745
        C-HEMBA1001750
        C-HEMBA1001784
15
        C-HEMBA1001791
        C-HEMBA1001803
        C-HEMBA1001820
        C-HEMBA1001835
        C-HEMBA1001888
20
        C-HEMBA1001912
        C-HEMBA1001915
        C-HEMBA1001918
        C-HEMBA1001940
        C-HEMBA1001942
25
        C-HEMBA1001964
        C-HEMBA1002022
        C-HEMBA1002039
        C-HEMBA1002100
        C-HEMBA1002113
30
        C-HEMBA1002119
        C-HEMBA1002139//LIM AND SH3 DOMAIN PROTEIN LASP-1 (MLN 50).//7.10E-05//51aa//49%//Q14847
        C-HEMBA1002160
        C-HEMBA1002162
        C-HEMBA1002166
35
        C-HEMBA1002185
        C-HEMBA1002204
        C-HEMBA1002328
        C-HEMBA1002337
        C-HEMBA1002348
40
        C-HEMBA1002381
        C-HEMBA1002486
        C-HEMBA1002498
        C-HEMBA1002538
        C-HEMBA1002552
45
        C-HEMBA1002555//Homo sapiens mSin3A associated polypeptide p30 mRNA, complete cds.//5.30E-51//768bp//
        68%//AF055993
        C-HEMBA1002558
        C-HEMBA1002621
        C-HEMBA1002629
50
        C-HEMBA1002645
        C-HEMBA1002659
        C-HEMBA1002661
        C-HEMBA1002666
        C-HEMBA1002678
55
        C-HEMBA1002679
        C-HEMBA1002712
       C-HEMBA1002716
       C-HEMBA1002742
```

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C-HEMBA1002746//DNA POLYMERASE BETA (EC 2.7.7.7).//5.00E-37//268aa//34%//P06746
        C-HEMBA1002748
        C-HEMBA1002780
        C-HEMBA1002801
5
        C-HEMBA1002826
        C-HEMBA1002833
        C-HEMBA1002921
        C-HEMBA1002934
        C-HEMBA1002944
10
        C-HEMBA1002968
        C-HEMBA1003034
        C-HEMBA1003037
        C-HEMBA1003071//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN COMPLEX ACID LABILE CHAIN
        PRECURSOR (ALS).//1.30E-09//121aa//40%//P35858
15
        C-HEMBA1003078
        C-HEMBA1003083
        C-HEMBA1003086
        C-HEMBA1003098//Homo sapiens NY-REN-6 antigen mRNA, partial cds.//6.20E-273//1253bp//99%//AF155096
        C-HEMBA1003133
20
        C-HEMBA1003142
        C-HEMBA1003166
        C-HEMBA1003197
        C-HEMBA1003202
        C-HEMBA1003220
25
        C-HEMBA1003229
        C-HEMBA1003276
        C-HEMBA1003278
        C-HEMBA1003328
        C-HEMBA1003373
30
        C-HEMBA1003597
        C-HEMBA1003598
        C-HEMBA1003656
        C-HEMBA1003680//PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III (EC 3.4.11.-).//2.40E-92//
        423aa//47%//P34629
35
        C-HEMBA1003733
        C-HEMBA1003742
        C-HEMBA1003760//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN)
        (MEMBER OF PAS PROTEIN 1) (MOP1) (HIF1 ALPHA).//3.70E-124//347aa//55%//Q16665
        C-HEMBA1003803
40
        C-HEMBA1003854
        C-HEMBA1003926
        C-HEMBA1003939
        C-HEMBA1003987
        C-HEMBA1004012
45
        C-HEMBA1004015
        C-HEMBA1004193
        C-HEMBA1004225
        C-HEMBA1004241
        C-HEMBA1004267
50
        C-HEMBA1004295//Homo sapiens NY-REN-25 antigen mRNA, partial cds.//9.40E-31//381bp//65%//AF155103
        C-HEMBA1004354//CHL1 PROTEIN.//9.90E-26//130aa//42%//P22516
        C-HEMBA1004356//H.sapiens MSSP-2 mRNA.//3.00E-243//573bp//98%//X77494
        C-HEMBA1004396
        C-HEMBA1004405
55
        C-HEMBA1004433
        C-HEMBA1004538
        C-HEMBA1004542
        C-HEMBA1004573
```

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C-HEMBA1004577
         C-HEMBA1004604//Homo sapiens COP9 complex subunit 7a mRNA, complete cds.//0//1612bp//99%//AF193844
         C-HEMBA1004617
         C-HEMBA1004631
 5
        C-HEMBA1004705
        C-HEMBA1004733
        C-HEMBA1004748
        C-HEMBA1004778
        C-HEMBA1004803
10
        C-HEMBA1004807
        C-HEMBA1004820
        C-HEMBA1004865
        C-HEMBA1004880
        C-HEMBA1004900
15
        C-HEMBA1004909
        C-HEMBA1004960
        C-HEMBA1004978
        C-HEMBA1004980
        C-HEMBA1004983
20
        C-HEMBA1004995
        C-HEMBA1005019//Homo sapiens mRNA for KIAA0648 protein, partial cds.//0//2212bp//99%//AB014548
        C-HEMBA1005029//Homo sapiens CGI-13 protein mRNA, complete cds.//0//1487bp//99%//AF132947
        C-HEMBA1005035
        C-HEMBA1005039
25
        C-HEMBA1005047//RAS-RELATED PROTEIN RAB-24 (RAB-16).//3.40E-101//106aa//98%//P35290
        C-HEMBA1005062
        C-HEMBA1005066
        C-HEMBA1005075
30
        C-HEMBA1005079
        C-HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds.//0//2762bp//99%//
        AF080561
        C-HEMBA1005123
        C-HEMBA1005149
35
        C-HEMBA1005152
        C-HEMBA1005201//Homo sapiens CGI-07 protein mRNA, complete cds.//0//1608bp//99%//AF132941
        C-HEMBA1005202//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//1.90E-179//361aa//95%//
        Q00004
        C-HEMBA1005223
40
        C-HEMBA1005232
        C-HEMBA1005241
        C-HEMBA1005275
        C-HEMBA1005293
        C-HEMBA1005311
45
        C-HEMBA1005338//Homo sapiens mRNA for matrilin-4, partial.//3.90E-241//1095bp//99%//AJ007581
        C-HEMBA1005359//ZINC FINGER PROTEIN 137.//3.90E-85//206aa//69%//P52743
        C-HEMBA1005367//Homo sapiens melastatin 1 (MLSN1) mRNA, complete cds.//9.00E-77//620bp//74%//
        AF071787
        C-HEMBA1005374
50
        C-HEMBA1005382
        C-HEMBA1005411
        C-HEMBA1005426
        C-HEMBA1005443
        C-HEMBA1005447
55
        C-HEMBA1005497
        C-HEMBA1005500
        C-HEMBA1005506
        C-HEMBA1005508
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C-HEMBA1005526
         C-HEMBA1005530//Homo sapiens anaphase-promoting complex subunit 7 (APC7) mRNA, complete cds.//0//
         1578bp//98%//AF191340
         C-HEMBA1005548//Homo sapiens MAFB/Kreisler basic region/leucine zipper transcription factor (MAFB) mRNA,
 5
         complete cds.//1.00E-220//1014bp//99%//AF134157
         C-HEMBA1005552
         C-HEMBA1005568
         C-HEMBA1005588
         C-HEMBA1005593
10
        C-HEMBA1005606
         C-HEMBA1005616
        C-HEMBA1005627
        C-HEMBA1005670
        C-HEMBA1005679
15
        C-HEMBA1005699
        C-HEMBA1005705
        C-HEMBA1005732//Human mRNA for KIAA1293 gene, complete cds.//5.50E-102//317bp//98%//D14697
        C-HEMBA1005815//CALPAIN, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM ACTIVATED NEU-
        TRAL PROTEINASE) (CANP) (MU/M-TYPE).//2.00E-36//342aa//33%//P00789
20
        C-HEMBA1005852
        C-HEMBA1005894
        C-HEMBA1005921
        C-HEMBA1006035
        C-HEMBA1006036
25
        C-HEMBA1006090
        C-HEMBA1006138
        C-HEMBA1006173
        C-HEMBA1006252
        C-HEMBA1006268//Homo sapiens HQ0024c mRNA, complete cds.//3.50E-157//845bp//92%//AF073836
30
        C-HEMBA1006347//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-).//1.60E-130//332aa//62%//002193
        C-HEMBA1006359//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//3.50E-105//381aa//54%//P28160
        C-HEMBA1006380
        C-HEMBA1006416
        C-HEMBA1006421
35
        C-HEMBA1006424
        C-HEMBA1006426
        C-HEMBA1006446
        C-HEMBA1006485//PUROMYCIN-SENSITIVE AMINOPEPTIDASE (EC 3.4.11.-) (PSA).//1.90E-81//153aa//
        97%//P55786
40
        C-HEMBA1006486
        C-HEMBA1006494
        C-HEMBA1006546
        C-HEMBA1006562
        C-HEMBA1006595
45
        C-HEMBA1006597
        C-HEMBA1006631
        C-HEMBA1006639
        C-HEMBA1006652//60S RIBOSOMAL PROTEIN L7.//2.40E-44//206aa//47%//P14148
        C-HEMBA1006659
50
        C-HEMBA1006665
        C-HEMBA1006676
        C-HEMBA1006695
        C-HEMBA1006709
        C-HEMBA1006758//Homo sapiens protocadherin beta 13 (PCDH-beta13) mRNA, complete cds.//0//1832bp//
55
        91%//AF152492
        C-HEMBA1006780
        C-HEMBA1006807//Homo sapiens mRNA for SPOP.//5.70E-125//1109bp//75%//AJ000644
        C-HEMBA1006824
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C-HEMBA1006865
         C-HEMBA1006921
         C-HEMBA1006949
        C-HEMBA1006976//H.sapiens mRNA for Gal-beta(1-3/1-4)GlcNAc alpha-2.3-sialyltransferase.//1.90E-80//
        447bp//89%//X74570
        C-HEMBA1007051
        C-HEMBA1007052
        C-HEMBA1007066
        C-HEMBA1007073
10
        C-HEMBA1007078
        C-HEMBA1007085
        C-HEMBA1007113
        C-HEMBA1007121//Homo sapiens bisphosphate 3'-nucleotidase mRNA, complete cds.//1.70E-252//1118bp//
        92%//AF125042
15
        C-HEMBA1007129
        C-HEMBA1007147
        C-HEMBA1007151//Homo sapiens synphilin 1 mRNA, complete cds.//0//1900bp//99%//AF076929
        C-HEMBA1007178
        C-HEMBA1007203//Homo sapiens mRNA for KIAA0214 protein, complete cds.//0//1212bp//98%//D86987
20
        C-HEMBA1007224//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds.//0//1590bp//99%//
        AF196304
        C-HEMBA1007243//Chinese hamster hprt mRNA, complete cds.//2.00E-58//650bp//70%//J00060
        C-HEMBA1007251
        C-HEMBA1007288
25
        C-HEMBA1007322
        C-HEMBA1007341
        C-HEMBB1000050
        C-HEMBB1000054
        C-HEMBB1000059
30
        C-HEMBB1000089
        C-HEMBB1000113
        C-HEMBB1000144//GUANYLATE CYCLASE ACTIVATING PROTEIN 2 (GCAP 2) (RETINAL GUANYLYL CYCLA-
        SE ACTIVATOR PROTEIN P24).//1.40E-24//71aa//77%//P51177
        C-HEMBB1000173
35
        C-HEMBB1000175
        C-HEMBB1000272
        C-HEMBB1000317//FIBULIN-1, ISOFORM D PRECURSOR.//7.10E-62//458aa//35%//P37888
        C-HEMBB1000318
        C-HEMBB1000336
40
        C-HEMBB1000341
        C-HEMBB1000343
        C-HEMBB1000354
        C-HEMBB1000374
        C-HEMBB1000434
45
        C-HEMBB1000441
        C-HEMBB1000491
        C-HEMBB1000493
        C-HEMBB1000510
        C-HEMBB1000652
50
        C-HEMBB1000672
        C-HEMBB1000684
        C-HEMBB1000709
        C-HEMBB1000726
        C-HEMBB1000770
55
        C-HEMBB1000827
        C-HEMBB1000831
        C-HEMBB1000883
        C-HEMBB1000888
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C-HEMBB1000893
        C-HEMBB1000913
        C-HEMBB1000996
        C-HEMBB1001004
5
        C-HEMBB1001047
        C-HEMBB1001060
        C-HEMBB1001114
        C-HEMBB1001119
        C-HEMBB1001133
10
        C-HEMBB1001142
        C-HEMBB1001177
        C-HEMBB1001208
        C-HEMBB1001209
        C-HEMBB1001249
15
        C-HEMBB1001253
        C-HEMBB1001254
        C-HEMBB1001271
        C-HEMBB1001304
        C-HEMBB1001317
20
        C-HEMBB1001348
        C-HEMBB1001394
        C-HEMBB1001410
        C-HEMBB1001424
        C-HEMBB1001426
25
        C-HEMBB1001429//Homo sapiens leucine aminopeptidase mRNA, complete cds.//0//1933bp//99%//AF061738
        C-HEMBB1001436
        C-HEMBB10014437/Rattus norvegicus pyruvate dehydrogenase phosphatase isoenzyme 1 mRNA, complete
        cds.//3.00E-130//553bp//86%//AF062740
        C-HEMBB1001449
30
        C-HEMBB1001458
        C-HEMBB1001521
        C-HEMBB1001531
        C-HEMBB1001535
        C-HEMBB1001536
35
        C-HEMBB1001564
        C-HEMBB1001565
        C-HEMBB1001585
        C-HEMBB1001588
        C-HEMBB1001603
40
        C-HEMBB1001618
        C-HEMBB1001635
        C-HEMBB1001653
        C-HEMBB1001668
        C-HEMBB1001673//Homo sapiens mRNA for KIAA0646 protein, complete cds.//0//2035bp//99%//AB014546
45
        C-HEMBB1001685
        C-HEMBB1001695
        C-HEMBB1001707
        C-HEMBB1001735
        C-HEMBB1001736//EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 (EIF3 P116) (EIF3
50
        P110).//4.60E-15//391aa//25%//P55884
        C-HEMBB1001747
        C-HEMBB1001749//TRANSCRIPTIONAL ACTIVATOR GCN5.//1.70E-16//84aa//47%//Q03330
        C-HEMBB1001753
        C-HEMBB1001756
55
        C-HEMBB1001760
        C-HEMBB1001785
        C-HEMBB1001797
        C-HEMBB1001802//Human desmin mRNA, complete cds.//0//1523bp//98%//U59167
```

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C-HEMBB1001816
         C-HEMBB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA complete cds.//0//
         1514bp//99%//AF056209
         C-HEMBB1001839//GASTRULA ZINC FINGER PROTEIN XLCGF42.1 (FRAGMENT),//6.90E-11//87aa//35%//
 5
        P18720
         C-HEMBB1001850
         C-HEMBB1001863
         C-HEMBB1001868
         C-HEMBB1001874
10
         C-HEMBB1001880
         C-HEMBB1001899
         C-HEMBB1001906
         C-HEMBB1001910
         C-HEMBB1001911
15
        C-HEMBB1001921
        C-HEMBB1001922
        C-HEMBB1001930
        C-HEMBB1001944
        C-HEMBB1001945
20
        C-HEMBB1001947
        C-HEMBB1001950//PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (EC 1.-.-)
        (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE).//1.60E-41//370aa//31%//P54304
        C-HEMBB1001952
        C-HEMBB1001957
25
        C-HEMBB1001962
        C-HEMBB1001983
        C-HEMBB1001990
        C-HEMBB1001996
        C-HEMBB1002002
30
        C-HEMBB1002005
        C-HEMBB1002042//CYTOCHROME P450 4C1 (EC 1.14.14.1) (CYPIVC1).//2.70E-49//139aa//55%//P29981
        C-HEMBB1002043
        C-HEMBB1002045
        C-HEMBB1002049
35
        C-HEMBB1002050
        C-HEMBB1002068
        C-HEMBB1002092
        C-HEMBB1002139
        C-HEMBB1002142
40
        C-HEMBB1002190
        C-HEMBB1002193
        C-HEMBB1002217//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.10E-132//399aa//
        44%//Q05481
        C-HEMBB1002218
45
        C-HEMBB1002232
        C-HEMBB1002247
        C-HEMBB1002249
        C-HEMBB1002266//NEURONAL PROTEIN.//2.10E-46//121aa//76%//P41737
        C-HEMBB1002327
50
        C-HEMBB1002329
        C-HEMBB1002342//Homo sapiens mRNA for putative thioredoxin-like protein.//1.10E-274//1249bp//99%//
        AJ010841
        C-HEMBB1002358
        C-HEMBB1002371
55
        C-HEMBB1002387
        C-HEMBB1002409
        C-HEMBB1002425
        C-HEMBB1002442//LIN-10 PROTEIN.//9.70E-14//121aa//31%//P34692
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C-HEMBB1002453
        C-HEMBB1002458
        C-HEMBB1002477//Human Grb2-associated binder-1 mRNA, complete cds.//7.70E-258//774bp//99%//U43885
        C-HEMBB1002489
 5
        C-HEMBB1002510//GYP7 PROTEIN.//3.10E-50//192aa//42%//P48365
        C-HEMBB1002520
        C-HEMBB1002522
        C-HEMBB1002545
        C-HEMBB1002579
10
        C-HEMBB1002582
        C-HEMBB1002596
        C-HEMBB1002603
        C-HEMBB1002610
        C-HEMBB1002613
15
        C-HEMBB1002617
        C-HEMBB1002623
        C-HEMBB1002635
        C-HEMBB1002677
        C-HEMBB1002683
20
        C-HEMBB1002699
        C-HEMBB1002702
        C-MAMMA1000009
        C-MAMMA1000043
        C-MAMMA1000045//ENV POLYPROTEIN [CONTAINS: SURFACE PROTEIN GP85; MEMBRANE PROTEIN
25
        GP37].//1.90E-07//249aa//27%//P03396
        C-MAMMA1000057
        C-MAMMA1000085//PUTATIVE CYSTEINYL-TRNA SYNTHETASE C29E6.06C (EC 6.1.1.16) (CYSTEINE--
        TRNA LIGASE) (CYSRS).//2.10E-90//427aa//39%//Q09860
        C-MAMMA1000092
30
        C-MAMMA1000103
        C-MAMMA1000117
        C-MAMMA1000129
        C-MAMMA1000133
        C-MAMMA1000155
35
        C-MAMMA1000175
        C-MAMMA1000198
        C-MAMMA1000241
        C-MAMMA1000251
        C-MAMMA1000254
40
        C-MAMMA1000287
        C-MAMMA1000307
        C-MAMMA1000331
        C-MAMMA1000339
        C-MAMMA1000340
45
        C-MAMMA1000348
        C-MAMMA1000356
       C-MAMMA1000360
       C-MAMMA1000402
       C-MAMMA1000414
50
       C-MAMMA1000431
       C-MAMMA1000444
       C-MAMMA1000458
       C-MAMMA1000500
       C-MAMMA1000522
55
       C-MAMMA1000576
       C-MAMMA1000583
       C-MAMMA1000594
       C-MAMMA1000605
```

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C-MAMMA1000616
        C-MAMMA1000643
        C-MAMMA1000684//Homo sapiens 7-60 mRNA, complete cds.//0//2402bp//99%//AF109134
        C-MAMMA1000696
 5
        C-MAMMA1000707
        C-MAMMA1000714
        C-MAMMA1000720
        C-MAMMA1000744
        C-MAMMA1000761
10
        C-MAMMA1000776
        C-MAMMA1000798
        C-MAMMA1000839
        C-MAMMA1000851
        C-MAMMA1000863
15
        C-MAMMA1000867
        C-MAMMA1000876
        C-MAMMA1000880
        C-MAMMA1000883
        C-MAMMA1000921
20
        C-MAMMA1000931
        C-MAMMA1000941
        C-MAMMA1000957
        C-MAMMA1000962
        C-MAMMA1000975
25
        C-MAMMA1000987
        C-MAMMA1001003
        C-MAMMA1001030//LUTROPIN-CHORIOGONADOTROPIC HORMONE RECEPTOR (LH/CG-R) (LSH-R)
        (LUTEINIZING HOROMINE RECEPTOR) (FRAGMENT).//1.20E-26//276aa//28%//Q90674
        C-MAMMA1001038//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC
30
        2.7.1.117) (MLCK) [CONTAINS: TELOKIN].//2.60E-107//190aa//95%//Q15746
        C-MAMMA1001082
        C-MAMMA1001162
        C-MAMMA1001186
        C-MAMMA1001191
35
        C-MAMMA1001206
        C-MAMMA1001220
        C-MAMMA1001243
        C-MAMMA1001249
        C-MAMMA1001256
40
        C-MAMMA1001268
        C-MAMMA1001271
        C-MAMMA1001274
        C-MAMMA1001292
        C-MAMMA1001305//RHO-GTPASE-ACTIVATING PROTEIN 1 (GTPASE-ACTIVATING PROTEIN RHOGAP)
45
        (RHO-RELATED SMALL GTPASE PROTEIN ACTIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN)
        (P50-RHOGAP).//2.20E-98//283aa//63%//Q07960
        C-MAMMA1001324
        C-MAMMA1001341
        C-MAMMA1001388//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG).//1.40E-165//312aa//99%//P02750
50
        C-MAMMA1001397
        C-MAMMA1001408
       C-MAMMA1001420
       C-MAMMA1001442
       C-MAMMA1001452
55
       C-MAMMA1001465
       C-MAMMA1001487
       C-MAMMA1001501//CALPAIN 1, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEU-
       TRAL PROTEINASE) (CANP) (MU-TYPE).//5.70E-55//86aa//97%//P07384
```

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C-MAMMA1001547
        C-MAMMA1001551
        C-MAMMA1001575
        C-MAMMA1001590
5
        C-MAMMA1001600
        C-MAMMA1001606
        C-MAMMA1001627//Homo sapiens mRNA for transcription factor TBX6.//5.20E-189//871bp//99%//AJ007989
        C-MAMMA1001663
        C-MAMMA1001670
10
        C-MAMMA1001671
        C-MAMMA1001679//F-ACTIN CAPPING PROTEIN BETA SUBUNIT (CAPZ).//0.00000058//29aa//100%//P47756
        C-MAMMA1001711
        C-MAMMA1001735//TUBULIN BETA-5 CHAIN (BETA-TUBULIN CLASS-V).//5.90E-240//445aa//97%//P09653
        C-MAMMA1001744
15
        C-MAMMA1001745
        C-MAMMA1001751//Homo sapiens tandem pore domain potassium channel TWIK-2 (KCNK6) mRNA, complete
        cds.//0//2332bp//99%//AF117708
        C-MAMMA1001783
        C-MAMMA1001788
20
        C-MAMMA1001806
        C-MAMMA1001812
        C-MAMMA1001815
        C-MAMMA1001817
        C-MAMMA1001818
25
        C-MAMMA1001820//Rattus norvegicus mRNA for PAG608 gene.//1.30E-198//1157bp//80%//Y13148
        C-MAMMA1001824
        C-MAMMA1001851
        C-MAMMA1001854
        C-MAMMA1001864
30
        C-MAMMA1001878
        C-MAMMA1001890
        C-MAMMA1001907
        C-MAMMA1001908
        C-MAMMA1001931
35
        C-MAMMA1001969
        C-MAMMA1002011
        C-MAMMA1002032
        C-MAMMA1002041
        C-MAMMA1002047
40
        C-MAMMA1002056
        C-MAMMA1002058
        C-MAMMA1002078
        C-MAMMA1002082
        C-MAMMA1002084
45
        C-MAMMA1002093
        C-MAMMA1002094
        C-MAMMA1002118
        C-MAMMA1002125
        C-MAMMA1002132
50
        C-MAMMA1002140
        C-MAMMA1002143//Homo sapiens Cdc42 effector protein 4 mRNA, complete cds7/1.70E-252//1170bp//99%//
        AF099664
        C-MAMMA1002145
        C-MAMMA1002198//THIOREDOXIN PEROXIDASE 1 (THIOREDOXIN-DEPENDENT PEROXIDE REDUCTASE
55
        1) (THIOL-SPECIFIC ANTIOXIDANT PROTEIN) (TSA) (PRP) (NATURAL KILLER CELL ENHANCING FACTOR
        B) (NKEF-B).//5.20E-61//60aa//90%//P32119
        C-MAMMA1002230
        C-MAMMA1002250
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C-MAMMA1002282
        C-MAMMA1002293
        C-MAMMA1002298
        C-MAMMA1002299
 5
        C-MAMMA1002308
        C-MAMMA1002310
        C-MAMMA1002311
        C-MAMMA1002322
        C-MAMMA1002339
10
        C-MAMMA1002352
        C-MAMMA1002359
        C-MAMMA1002360
        C-MAMMA1002392
        C-MAMMA1002411
15
        C-MAMMA1002413
        C-MAMMA1002417
        C-MAMMA1002428//LYSOSOME MEMBRANE PROTEIN II (LIMP II) (85 KD LYSOSOMAL MEMBRANE
        SIALOGLYCOPROTEIN) (LGP85) (CD36 ANTIGEN-LIKE 2).//1.10E-24//96aa//68%//Q14108
        C-MAMMA1002434
20
        C-MAMMA1002446
        C-MAMMA1002454
        C-MAMMA1002461
        C-MAMMA1002475
        C-MAMMA1002556
25
        C-MAMMA1002566
        C-MAMMA1002612
        C-MAMMA1002622//VILLIN.//7.20E-35//53aa//64%//P02640
        C-MAMMA1002637//KINESIN LIGHT CHAIN (KLC).//1.30E-198//550aa//70%//Q07866
        C-MAMMA1002650//Mus musculus ODA-8S protein mRNA, complete cds.//5.40E-57//480bp//68%//AF194030
30
        C-MAMMA1002699//Rattus norvegicus EH domain binding protein Epsin mRNA, complete cds.//4.3e-317//
        1942bp//85%//AF018261
        C-MAMMA1002727
        C-MAMMA1002748
        C-MAMMA1002758
35
        C-MAMMA1002780
        C-MAMMA1002820
        C-MAMMA1002833
        C-MAMMA1002843
        C-MAMMA1002895
40
        C-MAMMA1002937//ZINC FINGER PROTEIN 135.//8.30E-99//393aa//43%//P52742
        C-MAMMA1003004
        C-MAMMA1003047//Homo sapiens protein inhibitor of activated STAT protein PIASy mRNA, complete cds.//0//
        1533bp//99%//AF077952
        C-NT2RM1000001//D.melanogaster sap47-2 mRNA.//1.50E-10//417bp//62%//X80110
45
        C-NT2RM1000018//Human mRNA for KIAA0066 gene, partial cds.//0//3376bp//99%//D31886
        C-NT2RM1000037//Homo sapiens mRNA for KIAA0690 protein, partial cds.//0//3551bp//99%//AB014590
        C-NT2RM1000086//Homo sapiens mRNA for KIAA0661 protein, complete cds.//0//3035bp//96%//AB014561
        C-NT2RM1000421//RIBONUCLEASE INHIBITOR.//4.40E-21//372aa//30%//P10775 C-NT2RM1000499
        C-NT2RM1001059//NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB4.//3.60E-11//180aa//28%//
50
        Q99383
        C-NT2RM1001092//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//3.60E-115//332aa//
        C-NT2RM2001592//Homo sapiens mRNA for KIAA1067 protein, partial cds.//0//3471bp//99%//AB028990
        C-NT2RM2001635//Homo sapiens mRNA for KIAA0618 protein, complete cds.//0//1632bp//99%//AB014518
55
        C-NT2RM2001637
        C-NT2RM2001641
        C-NT2RM2001670//ZINC FINGER PROTEIN 29 (ZFP-29).//6.50E-104//407aa//43%//Q07230
        C-NT2RM2001699
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|     | C-NT2RM2001706   |
|-----|--|
|     | C-NT2RM2001718   |
|     | C-NT2RM2001727//Homo sapiens mRNA for KIAA0462 protein, partial cds.//0//2892bp//99%//AB007931           |
|     | C-NT2RM2001805   |
| 5   | C-NT2RM4000086   |
|     | C-NT2RM4000215//MAK16 PROTEIN.//1.30E-68//295aa//49%//P10962   |
|     | C-NT2RM4000414   |
|     | C-NT2RM4000590//RING CANAL PROTEIN (KELCH PROTEIN).//1.00E-59//595aa//28%//Q04652                        |
|     | C-NT2RM4000336//Kind OAIVAET NOTE IIV (KEECITT NOTE IIV).// 1.00E-33//333888//26 /6//Q04032              |
| 0   |  |
| U   | C-NT2RM4000657//Homo sapiens mRNA for KIAA1069 protein, partial cds.//0//1412bp//100%//AB028992          |
|     | C-NT2RM4000783   |
|     | C-NT2RM4000857//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG).//6.70E-22//250aa//29%//P02750                   |
|     | C-NT2RM4000971   |
| _   | C-NT2RM4000996//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//8.00E-211//738aa//           |
| 15  | 50%//Q05481  |
|     | C-NT2RM4001092//ZINC FINGER PROTEIN GLO3.//3.10E-24//265aa//33%//P38682                                  |
|     | C-NT2RM4001178//PROBABLE ATP-DEPENDENT RNA HELICASE HAS1.//1.10E-48//218aa//43%//Q03532                  |
|     | C-NT2RM4001569   |
|     | C-NT2RM4001819//Human p58/GTA (galactosyltransferase associated protein kinase) mRNA, complete cds.//    |
| 20  | 8.10E-300//1395bp//98%//M37712   |
|     | C-NT2RM4001905   |
|     | C-NT2RM4001938//Homo sapiens mRNA for KIAA0898 protein, partial cds.//0//2234bp//99%//AB020705           |
|     | C-NT2RM4002062//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATETRNA LIGASE) (ASPRS).//                 |
|     | 1.90E-31//80aa//52%//P36419  |
| 25  | C-NT2RM4002073//Mus musculus fatty acid transport protein 3 mRNA, partial cds.//9.30E-293//1751bp//83%// |
|     | AF072758   |
|     | C-NT2RM4002093//Homo sapiens neural polypyrimidine tract binding protein (PTB) mRNA, complete cds.//0//  |
|     | 2550bp//99%//AF176085  |
|     | C-NT2RM4002109//Homo sapiens kinesin superfamily motor KIF4 mRNA, complete cds.//0//2572bp//99%//        |
| 30  | AF071592   |
|     | C-NT2RM4002146//Homo sapiens MAGOH mRNA, complete cds.//6.90E-70//454bp//85%//AF035940                   |
|     | C-NT2RM4002194//Mus musculus semaphorin VIa mRNA, complete cds.//5.20E-297//1753bp//87%//AF030430        |
|     | C-NT2RM4002390   |
|     | C-NT2RM4002398   |
| 35  | C-NT2RM4002420   |
|     | C-NT2RM4002534   |
|     | C-NT2RM4002565//Mus musculus Sec8 mRNA, complete cds.//0//1915bp//87%//AF022962                          |
|     | C-NT2RM4002571//H.sapiens mRNA for UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase (T2).//      |
|     | 4.60E-78//921bp//69%//X85019   |
| 40  | C-NT2RP1000358//Homo sapiens mRNA; cDNA DKFZp564C186 (from clone DKFZp564C186).//0//1938bp//             |
| *** | 88%//AL050019  |
|     |  |
|     | C-NT2RP1000522//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-                |
|     | OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-                   |
|     | ZYME 1).//8.20E-83//345aa//47%//Q61068   |
| 45  | C-NT2RP1000609//Homo sapiens mRNA; cDNA DKFZp586C201 (from clone DKFZp586C201).//0//2165bp//             |
|     | 99%//AL050118  |
|     | C-NT2RP1000677//SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER (ORGANIC ANION TRANS-                       |
|     | PORTING POLYPEPTIDE).//1.20E-78//483aa//31%//P46721  |
|     | C-NT2RP1000701//Homo sapiens phospholipase A2 activating protein (PLA2P) mRNA, complete cds.//0//        |
| 50  | 1687bp//99%//AF145020  |
|     | C-NT2RP1000834//Homo sapiens alpha-methylacyl-CoA racemase mRNA, complete cds.//1.80E-176//829bp//       |
|     | 98%//AF047020  |
|     | C-NT2RP1000860//Homo saniens KL04P mRNA_complete cds //0//1555bp//99%//AF064094                          |

C-NT2RP1001080//PROBABLE ATP-DEPENDENT RNA HELICASE DBP9.//2.30E-116//319aa//46%//Q06218

C-NT2RP1001079//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//0//2085bp//99%//

C-NT2RP1000916

C-NT2RP1000944

U82267

55

C-NT2RP1001113

C-NT2RP1001173//Homo sapiens mRNA; cDNA DKFZp566D1146 (from clone DKFZp566D1146).//0//2333bp//

C-NT2RP1001177//Rattus norvegicus histone macroH2A1.2 mRNA, complete cds.//5.20E-108//1278bp//69%//

5 U79139

C-NT2RP1001185//Human isovaleryl-coA dehydrogenase (IVD) mRNA, complete cds.//1.90E-158//729bp//99%// M34192

C-NT2RP1001247//Homo sapiens TGF-beta type secreted signaling protein LEFTYA mRNA, complete cds.//0// 2006bp//100%//AF081513

10 C-NT2RP1001311

 $C-NT2RP1001313//Homo\ sapiens\ delta-6\ fatty\ acid\ desaturase\ mRNA,\ complete\ cds.//7.50E-121//1394bp//69\%//AF126799$ 

C-NT2RP2000001//Homo sapiens mRNA for KIAA1111 protein, partial cds.//0//3188bp//99%//AB029034 C-NT2RP2000027

15 C-NT2RP2000183//DIHYDROPYRIMIDINASE RELATED PROTEIN-2 (DRP-2) (NEURAL SPECIFIC PROTEIN NSP60).//3.30E-16//114aa//44%//002675

C-NT2RP2000198

C-NT2RP2000523//APOLIPOPROTEIN B MRNA EDITING PROTEIN (HEPR) (APOBEC-1).//6.00E-16//124aa//34%//P41238

20 C-NT2RP2000551

C-NT2RP2000644

C-NT2RP2000660//SAP1 PROTEIN.//5.20E-68//474aa//32%//P39955

C-NT2RP2000678

C-NT2RP2000715

25 C-NT2RP2000842//Human lysophosphatidic acid receptor homolog mRNA, complete cds.//0//1562bp//99%// U80811

C-NT2RP2000970

C-NT2RP2001347

C-NT2RP2001460//TRICHOHYALIN.//1.00E-14//521aa//24%//P37709

30 C-NT2RP2001613//MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM40 (MOM38 PROTEIN) (TRANSLO-CASE OF OUTER MEMBRANE 40 KD SUBUNTD.//6.10E-12//184aa//31%//P24391
C-NT2RP2001634//Homo sapiens alpha-catenin-like protein mRNA, complete cds.//0//2445bp//99%//U97067
C-NT2RP2001660//Homo sapiens putative 13 S Golgi transport complex 90kD subunit brain-specific isoform mR-NA, complete cds.//0//1287bp//99%//AF058718

35 C-NT2RP2001677

C-NT2RP2001678

C-NT2RP2001720

C-NT2RP2001740//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-

40 ZYME 1).//7.90E-52//220aa//44%//Q61068

C-NT2RP2001756//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.70E-49//411aa//32%//P51523

C-NT2RP2001839//SCY1 PROTEIN.//5.40E-32//621aa//24%//P53009

C-NT2RP2001861

45 C-NT2RP2001869//ZINC FINGER PROTEIN 191.//7.10E-26//126aa//52%//014754

C-NT2RP2001876//ALLOGRAFT INFLAMMATORY FACTOR-1 (AIF-1) (IONIZED CALCIUM BINDING ADAPTER MOLECULE 1).//1.20E-45//141aa//65%//P55008

C-NT2RP2001898//Human inositol polyphosphate 5-phosphatase (5ptase) mRNA, 3' end.//0//2518bp//98%// M74161

50 C-NT2RP2001936

C-NT2RP2001943

C-NT2RP2001946

C-NT2RP2002032

C-NT2RP2002033

55 C-NT2RP2002041

C-NT2RP2002047

C-NT2RP2002066//Rattus norvegicus transmembrane receptor Unc5H2 mRNA, complete cds.//1.60E-226// 1301bp//88%//U87306

|    | C-NT2RP2002124//Homo sapiens mRNA for KIAA1097 protein, partial cds.//0//1772bp//95%//AB029020                     |
|----|--|
|    | C-NT2RP2002172   |
|    | C-NT2RP2002219   |
|    | C-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds.//0//1528bp//98%//AF005418               |
| 5  | C-NT2RP2002316   |
|    | C-NT2RP2002373   |
|    | C-NT2RP2002439   |
|    | C-NT2RP2002475   |
|    | C-NT2RP2002546   |
| 10 | C-NT2RP2002591//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.20E-155//562aa//50%//                        |
|    | P51523   |
|    | C-NT2RP2002606//Rattus norvegicus Rabin3 mRNA, complete cds.//9.20E-147//874bp//87%//U19181                        |
|    | C-NT2RP2002643   |
| 15 | C-NT2RP2002727//Rattus norvegicus tulip 2 mRNA, complete cds.//3.50E-74//727bp//72%//AF041107                      |
| 73 | C-NT2RP2002736<br>C-NT2RP2002740   |
|    |  |
|    | C-NT2RP2002741//Homo sapiens mRNA for Neuroblastoma, complete cds.//9.90E-54//964bp//64%//D89016<br>C-NT2RP2002752 |
|    | C-NT2RP2002752<br>C-NT2RP2002753   |
| 20 | C-NT2RP2002/33<br>C-NT2RP2002857   |
| 20 | C-NT2RP2003000//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PRO-                              |
|    | TEIN).//1.90E-11//132aa//38%//Q13829   |
|    | C-NT2RP2003073   |
|    | C-NT2RP2003164//Homo sapiens mRNA for protein kinase.//0//2313bp//99%//AJ132545                                    |
| 25 | C-NT2RP2003206   |
|    | C-NT2RP2003228//H.sapiens P1-Cdc21 mRNA.//0//2870bp//98%//X74794   |
|    | C-NT2RP2003230//Rattus norvegicus endo-alpha-D-mannosidase (Enman) mRNA, complete cds.//2.60E-186//                |
|    | 1551bp//77%//AF023657  |
|    | C-NT2RP2003237   |
| 30 | C-NT2RP2003272//Homo sapiens ubiquilin mRNA, complete cds.//0//1789bp//99%//AF176069                               |
|    | C-NT2RP2003280   |
|    | C-NT2RP2003293   |
|    | C-NT2RP2003394//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//5.50E-13//302aa//26%//                              |
|    | P25386   |
| 35 | C-NT2RP2003401//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-                          |
|    | OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-                             |
|    | ZYME 1).//9.60E-78//346aa//43%//061068   |
|    | C-NT2RP2003456   |
|    | C-NT2RP2003517//Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds.//0//1746bp//          |
| 40 | 95%//M12783  |
|    | C-NT2RP2003522//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0//1764bp//          |
|    | 99%//AF125158  |
|    | C-NT2RP2003559   |
|    | C-NT2RP2003564//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)).//                            |
| 45 | 2.10E-59//270aa//46%//P19474   |
|    | C-NT2RP2003581   |
|    | C-NT2RP2003643//Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase.//9.40E-243//1624bp//                 |
|    | 82%//AJ006215  |
|    | C-NT2RP2003702//Homo sapiens 17 beta-hydroxysteroid dehydrogenase type VII (HSD17B7) mRNA, complete                |
| 50 | cds.//2.1e-313//978bp//99%//AF098786   |
|    | C-NT2RP2003704//Homo sapiens mRNA for ATP-dependent metalloprotease YME1L.//1.80E-72//350bp//100%//                |
|    | AJ132637   |
|    | C-NT2RP2003727   |
|    | C-NT2RP2003751   |
| 55 | C-NT2RP2003781//HYPOTHETICAL 36.7 KD PROTEIN AH6.2 IN CHROMOSOME II.//5.50E-63//253aa//50%//                       |
|    | Q09201   |
|    | C-NT2RP2003825   |

- C-NT2RP2003885
- C-NT2RP2003912//SERINE/THREONINE-PROTEIN KINASE NEK1 (EC 2.7.1.-) (NIMA-RELATED PROTEIN KINASE 1).//6.10E-183//387aa//87%//P51954
- C-NT2RP2003976//Homo sapiens mRNA for KIAA0447 protein, complete cds.//0//2866bp//98%//AB007916
- 5 C-NT2RP2003988
  - C-NT2RP2004013//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3).// 2.30E-53//141aa//78%//P20290
  - C-NT2RP2004098//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE).//5.40E-30//319aa//31%//Q01513
- 10 C-NT2RP2004142
  - C-NT2RP2004170//Homo sapiens mRNA for transducin (beta) like 1 protein.//1.10E-138//1236bp//74%//Y12781 C-NT2RP2004194//Rattus norvegicus Golgi SNARE GS15 mRNA, complete cds.//3.80E-52//397bp//82%// AF003998
  - C-NT2RP2004207
- 15 C-NT2RP2004226
  - C-NT2RP2004232//Homo sapiens EPK2 mRNA for serine/threonine kinase, complete cds.//0//2272bp//99%// AB015982
  - C-NT2RP2004242//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H).// 9.90E-12//427aa//26%//P19246
- 20 C-NT2RP2004270//PROTEIN PTM1 PRECURSOR.//1.40E-16//334aa//24%//P32857
  - C-NT2RP2004321
  - C-NT2RP2004339
  - C-NT2RP2004347
  - C-NT2RP2004396//Homo sapiens mRNA for activator of S phase Kinase, complete cds.//5.40E-243//1108bp//
- <sup>25</sup> 99%//AB028069
  - C-NT2RP2004399
  - C-NT2RP2004400
  - C-NT2RP2004412
  - C-NT2RP2004425//Mus musculus axotrophin mRNA, complete cds.//0//2321bp//86%//AF155739
- 30 C-NT2RP2004490
  - C-NT2RP2004523
  - C-NT2RP2004538//Mus musculus kinesin-like protein KIF1B (Kif1b) mRNA, complete cds.//0//1387bp//86%// AF090190
  - C-NT2RP2004580
- 35 C-NT2RP2004587//Homo sapiens mRNA for KIAA0888 protein, partial cds.//0//2886bp//100%//AB020695
  - C-NT2RP2004594
  - C-NT2RP2004681
  - C-NT2RP2004709
  - C-NT2RP2004710//Homo sapiens mRNA for KIAA1014 protein, partial cds.//0//2587bp//100%//AB023231
- 40 C-NT2RP2004732//Homo sapiens mRNA for KIAA0884 protein, partial cds.//0//1774bp//99%//AB020691
  - C-NT2RP2004767
  - C-NT2RP2004775
  - C-NT2RP2004961//Rattus norvegicus KRAB/zinc finger suppressor protein 1 (KS1) mRNA, complete cds.//1.00E-228//1666bp//75%//U56732
- 45 C-NT2RP2004962
  - C-NT2RP2004982
  - C-NT2RP2005003//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)).// 1.80E-99//376aa//43%//P19474
  - C-NT2RP2005018
- 50 C-NT2RP2005020
  - C-NT2RP2005022
  - C-NT2RP2005031
  - C-NT2RP2005116//Homo sapiens mRNA for KIAA0664 protein, partial cds.//0//4069bp//99%//AB014564
  - C-NT2RP2005139//2-5A-DEPENDENT RIBONUCLEASE (EC 3.1.26.-) (2-5A-DEPENDENT RNAASE) (RNASE
- 55 L) (RIBONUCLEASE 4) (FRAGMENT).//0.000000022//139aa//35%//Q05921
  - C-NT2RP2005168//Homo sapiens mRNA for E1B-55kDa-associated protein.//0//2769bp//98%//AJ007509 C-NT2RP2005254
  - C-NT2RP2005325//Homo sapiens LIM-homeodomain protein HLHX2 (LHX2) mRNA, complete cds.//0//1643bp//

|    | 99%//AF124735   |
|----|---|
|    | C-NT2RP2005336//TRICHOHYALIN.//5.40E-10//545aa//22%//P37709   |
|    | C-NT2RP2005344//PROBABLE CALCIUM-TRANSPORTING ATPASE 5 (EC 3.6.1.38).//2.10E-124//636aa//             |
|    | 38%//P32660   |
| 5  | C-NT2RP2005360  |
|    | C-NT2RP2005407//OXYSTEROL-BINDING PROTEIN.//5.30E-63//410aa//40%//P22059                              |
|    | C-NT2RP2005454  |
|    | C-NT2RP2005457//Homo sapiens NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete     |
|    | cds.//1.20E-130//608bp//99%//AF070652   |
| 10 | C-NT2RP2005476//Human p190-B (pl90-B) mRNA, complete cds.//3.40E-108//668bp//88%//U17032              |
|    | C-NT2RP2005491//PARAMYOSIN (PMY) (ANTIGEN B).//0.00000015//279aa//26%//P35418                         |
|    | C-NT2RP2005496//ZINC FINGER PROTEIN 135.//2.90E-146//398aa//59%//P52742                               |
|    | C-NT2RP2005490//ZINC FINGER PROTEIN 135.//2.90E-140//39088//59%//P52742  C-NT2RP2005501               |
|    |   |
| 45 | C-NT2RP2005531//PROTEIN 4.1 (BAND 4.1) (P4.1).//5.50E-70//393aa//39%//P11171                          |
| 15 | C-NT2RP2005600//Homo sapiens mRNA for KIAA1020 protein, partial cds.//0//2554bp//99%//AB028943        |
|    | C-NT2RP2005645  |
|    | C-NT2RP2005694//X-LINKED RETINITIS PIGMENTOSA GTPASE REGULATOR.//2.60E-10//175aa//27%//               |
|    | Q92834  |
| 20 | C-NT2RP2005701//ZINC-FINGER PROTEIN RFP (RET FINGER PROTEIN).//3.00E-63//323aa//39%//Q62158           |
| 20 | C-NT2RP2005741<br>C-NT2RP2005806  |
|    |   |
|    | C-NT2RP2005815  |
|    | C-NT2RP2005841  |
| 26 | C-NT2RP2005882  |
| 25 | C-NT2RP2005942//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-                 |
|    | FERASE).//1.50E-67//388aa//44%//P25500<br>C-NT2RP2006103  |
|    | C-NT2RP2006103<br>C-NT2RP2006166  |
|    | C-NT2RP2006258  |
| 30 | C-NT2RP2006261  |
| 00 | C-NT2RP2006321  |
|    | C-NT2RP2006454  |
|    | C-NT2RP2006598//Homo sapiens retinoid x receptor interacting protein mRNA, complete cds.//3.10E-295// |
|    | 1193bp//99%//AF113538   |
| 35 | C-NT2RP3000046//MITOCHONDRIAL GTPASE MSS1 PRECURSOR.//4.60E-78//421aa//37%//P32559                    |
| -  | C-NT2RP3000047//NPL4 PROTEIN.//1.10E-85//526aa//36%//P33755   |
|    | C-NT2RP3000418  |
|    | C-NT2RP3000439//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION.//2.90E-                   |
|    | 1511319aa//26%//P37908  |
| 40 | C-NT2RP3000487  |
|    | C-NT2RP3000512//Human HOX2G mRNA from the Hox2 locus.//0//1934bp//99%//X16667                         |
|    | C-NT2RP3000526  |
|    | C-NT2RP3000603//NEUROGENIC DIFFERENTIATION FACTOR 1.//3.70E-11//90aa//42%//Q13562                     |
|    | C-NT2RP3000605//Mus musculus mRNA for wizL, complete cds.//0//2232bp//82%//AB012265                   |
| 45 | C-NT2RP3000628  |
|    | C-NT2RP3000739//ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN).//1.40E-24//                |
|    | 155aa//37%//Q10149  |
|    | C-NT2RP3000845//PUTATIVE SERINE/THREONINE-PROTEIN KINASE P78 (EC 2.7.1.).//8.30E-108//331aa//         |
|    | 50%//P27448   |
| 50 | C-NT2RP3000968//40S RIBOSOMAL PROTEIN S15A.//1.90E-46//73aa//98%//P39027                              |
|    | C-NT2RP3001057//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//9.00E-201//584aa//        |
|    | 54%//Q05481   |
|    | C-NT2RP3001113//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//2.90E-11//631aa//23%//                 |
|    |   |

C-NT2RP3001245//Homo sapiens mRNA for KIAA0923 protein, complete cds.//0//2659bp//99%//AB023140 C-NT2RP3001253//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110).//1.70E-10//540aa//

55

23%//P32380 C-NT2RP3001356

- C-NT2RP3001383
- C-NT2RP3001399//SSU72 PROTEIN.//1.30E-16//84aa//52%//P53538
- C-NT2RP3001554//MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: LIGHT CHAIN LC1].//1.40E-76//388aa//32%//P46821
- 5 C-NT2RP3001712//Homo sapiens HP1-BP74 protein mRNA, complete cds.//0//1788bp//99%//AF113534 C-NT2RP3001724//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds.//1.10E-240//902bp//99%//AF054177
  - C-NT2RP3001727//Rattus norvegicus implantation-associated protein (IAG2) mRNA, partial cds.//6.90E-132//774bp//88%//AF008554
- 10 C-NT2RP3001730//SEPTIN 2 HOMOLOG (FRAGMENT).//7.10E-132//294aa//84%//Q14141 C-NT2RP3001739
  - C-NT2RP3001777
  - C-NT2RP3001857//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//1.20E-14//242aa//24%//Q00808
  - C-NT2RP3001943//Homo sapiens mRNA for KIAA0675 protein, complete cds.//0//3747bp//99%//AB014575
- 15 C-NT2RP3001944
  - C-NT2RP3002033
  - C-NT2RP3002054
  - C-NT2RP3002063//Homo sapiens mRNA for KIAA1033 protein, partial cds.//0//2830bp//99%//AB028956 C-NT2RP3002099
- 20 C-NT2RP3002102
  - C-NT2RP3002147
  - C-NT2RP3002163
  - C-NT2RP3002173
  - C-NT2RP3002255
- C-NT2RP3002303//PROBABLE UNDECAPRENYL PYROPHOSPHATE SYNTHETASE (EC 2.5.1.31) (UPP SYNTHETASE) (DI-TRANS-POLY-CIS-DECAPRENYLCISTRANSFERASE).//8.60E-49//243aa//43%//Q58767 C-NT2RP3002343
  - C-NT2RP3002351//Human mRNA for NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase (EC 1.5.1.15).//4.20E-70//590bp//76%//X16396
- 30 C-NT2RP3002399//DNA REPLICATION LICENSING FACTOR MCM4 (CDC21 HOMOLOG)(P1-CDC21).//8.60E-79//416aa//34%//P33991
  - C-NT2RP3002455//Homo sapiens mRNA for KIAA0678 protein, partial cds.//0//3811bp//99%//AB014578 C-NT2RP3002545//Homo sapiens mRNA; cDNA DKFZp586G0518 (from clone DKFZp586G0518).//0//2499bp//99%//AL050092
- 35 C-NT2RP3002549//HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III.//5.80E-40//161aa//52%//Q10010
  - C-NT2RP3002602//PROBABLE PROTEIN DISULFIDE ISOMERASE ER-60 PRECURSOR (EC 5.3.4.1) (ERP60) (58 KD MICROSOMAL PROTEIN) (P58) (HIP-70) (Q-2).//2.90E-19/173aa//28%//P11598 C-NT2RP3002603
- 40 C-NT2RP3002628//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//2.50E-26//90aa//42%//P38660
  - C-NT2RP3002659
  - C-NT2RP3002660
  - C-NT2RP3002682//Homo sapiens CGI-145 protein mRNA, complete cds.//0//1596bp//98%//AF151903
- 45 C-NT2RP3002687
  - C-NT2RP3002688//Mouse mRNA for kinesin-like protein (Kifib), complete cds.//1.10E-93//1205bp//69%//D17577 C-NT2RP3002701
  - C-NT2RP3002785//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN).//2.50E-55//187aa//39%//Q24371 C-NT2RP3002869//Mus musculus semaphorin VIa mRNA, complete cds.//2.50E-232//1282bp//85%//AF030430
- 50 C-NT2RP3002876
  - C-NT2RP3002877
  - C-NT2RP3002909//Homo sapiens mRNA for KIAA0771 protein, partial cds.//0//2085bp//94%//AB018314 C-NT2RP3002969//Homo sapiens mRNA for Acyl-CoA synthetase 3, complete cds.//0//2722bp//99%//D89053 C-NT2RP3002972//Halocynthia roretzi mRNA for HrPET-1, complete cds.//3.90E-52//899bp//64%//AB029333
- C-NT2RP3003032//Homo sapiens okadaic acid-inducible and cAMP-regulated phosphoprotein 19 (ARPP-19) mR-NA, complete cds.//0//2656bp//99%//AF084555
  - C-NT2RP3003061//ANKYRIN.//1.40E-20//200aa//37%//Q02357
  - C-NT2RP3003071//NEUROGENIC PROTEIN BIG BRAIN.//1.10E-05//258aa//24%//P23645

C-NT2RP3003078 C-NT2RP3003139

|    | C-NT2RP3003145//Mus musculus metallocarboxypeptidase CPX-1 mRNA, complete cds.//0//2251bp//81%//       |
|----|--|
|    | AF07773 8  |
| 5  | C-NT2RP3003150   |
|    | C-NT2RP3003197//HYPOTHETICAL 33.8 KD PROTEIN C5H10.01 IN CHROMOSOME I.//5.70E-09//169aa//              |
|    | 31%//Q09674  |
|    | C-NT2RP3003203//Rattus norvegicus golgi stacking protein homolog GRASP55 mRNA, complete cds.//2.00E-   |
|    | 210//1851bp//76%//AF110267   |
| 10 | C-NT2RP3003210   |
|    | C-NT2RP3003212//Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds.//4.30E- |
|    | 187//1750bp//75%//U20286   |
|    | C-NT2RP3003230//Homo sapiens mRNA for hCRNN4, complete cds.//0//2350bp//99%//AB030656                  |
|    | C-NT2RP3003242//Homo sapiens stanniocalcin-related protein mRNA, complete cds.//0//2366bp//99%//       |
| 15 | AF098462   |
|    | C-NT2RP3003251//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))(RO(SS-A)).//                 |
|    | 4.20E-86//366aa//48%//P19474   |
|    | C-NT2RP3003301//MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21).//1.10E-170//               |
|    | 585aa//54%//064948   |
| 20 | C-NT2RP3003311   |
|    | C-NT2RP3003409//Human DHHC-domain-containing cysteine-rich protein mRNA, complete cds.//9.20E-45//     |
|    | 782bp//65%//U90653   |
|    | C-NT2RP3003427   |
|    | C-NT2RP3003543   |
| 25 | C-NT2RP3003552   |
|    | C-NT2RP3003555//HYPOTHETICAL 32.6 KD PROTEIN IN MET30-PIG2 INTERGENIC REGION.//4.50E-30//              |
|    | 191aa//40%//P40529   |
|    | C-NT2RP3003564   |
|    | C-NT2RP3003589//Homo sapiens ras-related GTP-binding protein mRNA, complete cds.//0//3131bp//94%//     |
| 30 | AF106681   |
|    | C-NT2RP3003621   |
|    | C-NT2RP3003625   |
|    | C-NT2RP3003656   |
|    | C-NT2RP3003659//HES1 PROTEIN.//5.90E-22//229aa//27%//P35843  |
| 35 | C-NT2RP3003686   |
|    | C-NT2RP3003701//F-SPONDIN PRECURSOR.//1.80E-17//324aa//26%//P35446                                     |
|    | C-NT2RP3003716//SLIT PROTEIN PRECURSOR.//6.60E-10//150aa//34%//P24014                                  |
|    | C-NT2RP3003726//Homo sapiens spermatogenesis associated PD1 mRNA, complete cds.//0//2568bp//99%//      |
|    | U28164   |
| 40 | C-NT2RP3003795   |
|    | C-NT2RP3003805   |
|    | C-NT2RP3003809//SAV PROTEIN.//1.10E-131//576aa//41%//Q07590  |
|    | C-NT2RP3003819   |
|    | C-NT2RP3003825//PHOSPHATIDYLCHOLINE TRANSFER PROTEIN (PC-TP).//9.60E-19//174aa//31%//                  |
| 45 | P02720   |
|    | C-NT2RP3003831//Homo sapiens ENDOGL-1 (alias ENGL-a) mRNA for endonuclease G-like protein-1, complete  |
|    | cds.//2.2e-316//1436bp//99%//AB020523  |
|    | C-NT2RP3003833   |
|    | C-NT2RP3003842   |
| 50 | C-NT2RP3003846//Homo sapiens mRNA for putative phospholipase, complete cds.//4.80E-277//1255bp//99%//  |
|    | AB019435   |
|    | C-NT2RP3003870//Homo sapiens mRNA for KIAA0800 protein, complete cds.//0//2557bp//99%//AB018343        |
|    | C-NT2RP3003876   |
|    | C-NT2RP3003914//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1)                      |
| 55 | (DUGT).//2.20E-20//76aa//64%//Q09332   |
|    | C-NT2RP3003918//Homo sapiens VAMP-associated protein B (VAP-B) mRNA, complete cds.//0//2191bp//99%//   |
|    | AF086628   |
|    | C-NT2RP3003989   |

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C-NT2RP3004016//TRANSCRIPTION INTERMEDIARY FACTOR 1-BETA (NUCLEAR COREPRESSOR KAP-1)
         (KRAB-ASSOCIATED PROTEIN 1).//1.50E-17//226aa//26%//Q13263
        C-NT2RP3004070
        C-NT2RP3004145
5
        C-NT2RP3004215
        C-NT2RP3004253
        C-NT2RP3004282//Homo sapiens torsinA (DYT1) mRNA, complete cds.//5.10E-24//597bp//61 %//AF007871
        C-NT2RP3004348//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein.//1.10E-185//1130bp//82%//
10
        C-NT2RP3004490//Homo sapiens PAC clone 166H1 from 12q, complete sequence.//0//1778bp//99%//AC003982
        C-NT2RP3004503
        C-NT2RP3004566//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.20E-95//434aa//43%//
        P51523
        C-NT2RP3004670//Homo sapiens GN6ST mRNA for N-acetylglucosamine-6-O-sulfotransferas e (GlcNAc6ST),
15
        complete cds.//0//2393bp//99%//AB014679
        C-NT2RP4000023
        C-NT2RP4000218
        C-NT2RP4000424
        C-NT2RP4001213//ZINC FINGER PROTEIN 184 (FRAGMENT).//5.70E-141//511aa//43%//Q99676
20
        C-NT2RP4001447
        C-NT2RP4001841
        C-NT2RP4001849//SH3-BINDING PROTEIN 3BP-1.//1.40E-85//489aa//43%//P55194
        C-NT2RP4002047//GTP-BINDING PROTEIN LEPA.//1.50E-168//601aa//52%//067618
        C-NT2RP4002075
25
        C-NT2RP4002083
        C-OVARC1000001/Homo sapiens mRNA for actin binding protein ABP620, complete cds.//7.00E-217//683bp//
        99%//AB029290
        C-OVARC1000008
        C-OVARC1000017
30
        . C-OVARC1000058
        C-OVARC1000068
        C-OVARC1000071//Homo sapiens NTF2-related export protein NXT1 (NXT1) mRNA, complete cds.//1.50E-47//
        727bp//67%//AF156957
        C-OVARC1000085//Human mRNA for proteasome subunit HC5.//1.00E-151//699bp//100%//D00761
35
        C-OVARC1000109
        C-OVARC1000114
        C-OVARC1000145
        C-OVARC1000240
        C-OVARC1000302
40
        C-OVARC1000408
        C-OVARC1000414
        C-OVARC1000440
        C-OVARC1000442
        C-OVARC1000496
45
        C-OVARC1000556//RIBOSOMAL PROTEIN S6 KINASE II ALPHA 2 (EC 2.7.1.-) (S6KII-ALPHA 2) (P90-RSK 2)
        (RIBOSOMAL S6 KINASE 3) (RSK3) (PP90RSK3).//3.30E-67//132aa//95%//015349
        C-OVARC1000557
        C-OVARC1000578
        C-OVARC1000622
50
        C-OVARC1000679//Homo sapiens myosin-IXa mRNA, complete cds.//0//808bp//99%//AF117888
        C-OVARC1000681
        C-OVARC1000700
        C-OVARC1000724
        C-OVARC1000751//PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (EC 3.1.3.16) (PP2C).//5.60E-11//
55
        74aa//37%//P49596
        C-OVARC1000800//MITOCHONDRIAL STRESS-70 PROTEIN PRECURSOR (75 KD GLUCOSE REGULATED
        PROTEIN) (GRP 75).//3.90E-46//78aa//98%//035501
        C-OVARC1000885//OXIDOREDUCTASE UCPA (EC 1 .- .- .- ),//1.30E-32//170aa//34%//P37440
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C-OVARC1000936//COAT PROTEIN GP37 (ENV PROTEIN GP37).//0.0000054//135aa//28%//P03398
        C-OVARC1000937//S-PHASE ENTRY CYCLIN 6.//4.90E-10//61aaaa//49%//P32943
        C-OVARC1000960
        C-OVARC1000971
5
        C-OVARC1000999//ANKYRIN HOMOLOG PRECURSOR.//4.10E-11//189aa//32%//Q06527
        C-OVARC1001000
        C-OVARC1001029
        C-OVARC1001040
        C-OVARC1001051//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN
10
        EPS15) (AF-1P PROTEIN).//1.10E-08//216aa//23%//P42566
        C-OVARC1001113//Homo sapiens diaphanous 1 (HDIA1) mRNA, complete cds.//5.1e-310//1588bp//93%//
        AF051782
        C-OVARC1001118
        C-OVARC1001129
15
        C-OVARC1001169
        C-OVARC1001240
        C-OVARC1001261
        C-OVARC1001339
        C-OVARC1001342//40S RIBOSOMAL PROTEIN S8.//1.40E-110//207aa//99%//P09058
20
        C-OVARC1001357
        C-OVARC1001442
        C-OVARC1001611
        C-OVARC1001813
        C-OVARC1002112//Homo sapiens histone macroH2A1.2 mRNA, complete cds.//0//1760bp//99%//AF054174
25
        C-OVARC1002143
        C-OVARC1002165//3-OXO-5-ALPHA-STEROID 4-DEHYDROGENASE 2 (EC 1.3.99.5) (STEROID 5-ALPHA-
        REDUCTASE 2) (SR TYPE 2).//7.60E-08//114aa//37%//P31213
        C-OVARC1002182//BETA-TRCP (BETA-TRANSDUCIN REPEAT-CONTAINING PROTEIN) (BTRCP).//1.70E-
        09//207aa//30%//Q91854
30
        C-PLACE1000014
        C-PLACE1000078
        C-PLACE1000492//Rat vacuolar protein sorting homolog r-vps33b mRNA, complete cds.//0//2041bp//87%//
        U35245
        C-PLACE1000793//NEUROGENIC PROTEIN BIG BRAIN.//1.70E-07//251aa//24%//P23645
35
        C-PLACE1000814
        C-PLACE1000979//ZINC FINGER PROTEIN 135.//2.50E-153//326aa//64%//P52742
        C-PLACE1001007
        C-PLACE1001054//Homo sapiens mRNA for RuvB-like DNA helicase TIP49b, complete cds.//4.00E-300//
        1355bp//100%//AB024301
40
        C-PLACE1001088
        C-PLACE1001136
        C-PLACE1001241
        C-PLACE1001377//Homo sapiens ADAM10 (ADAM10) mRNA, complete cds.//5.90E-228//827bp//99%//
        AF009615
45
        C-PLACE1001395
        C-PLACE1001740
        C-PLACE1001746
        C-PLACE1001983//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION.//7.50E-16//
        319aa//26%//P37908
50
        C-PLACE1002066
        C-PLACE1002115
        C-PLACE1002213
        C-PLACE1002342//Homo sapiens mRNA for KIAA0728 protein, partial cds.//0//1657bp//98%//AB018271
        C-PLACE1002450//Human zinc finger protein mRNA, complete cds.//0//2565bp//99%//U69274
55
        C-PLACE1002474//Mus musculus matrilin-2 precursor mRNA, complete cds.//0//2092bp//84%//U69262
        C-PLACE1002499
        C-PLACE1002578
```

|    | C-PLACE1002772  |
|----|---|
|    | C-PLACE1002775//PEREGRIN (BR140 PROTEIN).//3.80E-13//272aa//28%//P55201                               |
|    | C-PLACE1002834//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//5.50E-203//396aa//86%//           |
|    | P51522  |
| 5  | C-PLACE1002993  |
|    | C-PLACE1003030//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete  |
|    | cds.//8.50E-44//225bp//100%//AF032387   |
|    | C-PLACE1003205  |
|    | C-PLACE1003249  |
| 10 | C-PLACE1003493//ENDOTHELIAL CELL MULTIMERIN PRECURSORS.//1.70E-23//594aa//33%//P28481                 |
|    | C-PLACE1003553  |
|    | C-PLACE1003592  |
|    | C-PLACE1003596//OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG.//2.60E-93//270aa//66%//              |
|    | P46975  |
| 15 | C-PLACE1003669//TRICHOHYALIN.//5.60E-09//219aa//30%//P22793   |
|    | C-PLACE1003709//Homo sapiens mitotic checkpoint kinase Bub1 (BUB1) mRNA, complete cds.//6.20E-282//   |
|    | 1316bp//98%//AF053305   |
|    | C-PLACE1003870  |
|    | C-PLACE1003885//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-                 |
| 20 | FERASE).//3.70E-222//651aa//66%//P25500   |
|    | C-PLACE 1003892   |
|    | C-PLACE1003900  |
|    | C-PLACE1004336  |
|    | C-PLACE1004384  |
| 25 | C-PLACE1004425  |
|    | C-PLACE1004471//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//2.90E-56//276aa//41%//            |
|    | P51522  |
|    | C-PLACE1004506//Homo sapiens carboxyl terminal LIM domain protein (CLIM1) mRNA, complete cds.//2.10E- |
|    | 16//402bp//62%//U90878  |
| 30 | C-PLACE1004518  |
|    | C-PLACE1004550//Homo sapiens CGI-20 protein mRNA, complete cds.//3.50E-274//1305bp//97%//AF132954     |
|    | C-PLACE1004681  |
|    | C-PLACE1004693  |
|    | C-PLACE1004716//Homo sapiens HSPC038 protein mRNA, complete cds.//2.70E-103//586bp//91%//AF125099     |
| 35 | C-PLACE1004815  |
|    | C-PLACE1004836  |
|    | C-PLACE1004838  |
|    | C-PLACE1004840  |
|    | C-PLACE1004900  |
| 40 | C-PLACE1004985  |
|    | C-PLACE1005085  |
|    | C-PLACE1005086  |
|    | C-PLACE1005108  |
|    | C-PLACE1005146  |
| 45 | C-PLACE1005409  |
|    | C-PLACE1005453  |
|    | C-PLACE1005477  |
|    | C-PLACE1005557//60S RIBOSOMAL PROTEIN L27.//1.90E-11//60aa//48%//P46288                               |
|    | C-PLACE1005595  |
| 50 | C-PLACE1005603  |
|    | C-PLACE1005639  |
|    | C-PLACE1005727//Homo sapiens STRIN protein (STRIN) mRNA, complete cds.//2.00E-118//378bp//98%//       |
|    | AF162680  |
|    | C-PLACE1005799  |
| 55 | C-PLACE1005813//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//0//2040bp//99%//AF065482     |
|    | C-PLACE1005884  |
|    | C-PLACE1005968  |

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C-PLACE1006003//Homo sapiens CGI-94 protein mRNA, complete cds.//2.40E-177//829bp//99%//AF151852
         C-PLACE1006017
         C-PLACE1006037
         C-PLACE1006076
 5
         C-PLACE1006143
         C-PLACE1006248//Homo sapiens mRNA for KIAA0648 protein, partial cds.//0//1489bp//100%//AB014548
         C-PLACE1006288//VOLTAGE-DEPENDENT ANION-SELECTIVE CHANNEL PROTEIN 1 (VDAC1) (PLASMA-
         LEMMAL PORIN) (OUTER MITOCHONDRIAL MEMBRANE PROTEIN PORIN) (PORIN 31HL) (PORIN 31HM).//
         4.60E-117//147aa//80%//P21796
 10
         C-PLACE1006318//Mus musculus skm-BOP2 (Bop) mRNA, complete cds.//3.00E-07//376bp//59%//U76374
         C-PLACE1006368//HYALURONAN-MEDIATED MOTILITY RECEPTOR (HYALURONIC ACID RECEPTOR).//
         1.30E-18//460aa//24%//Q00547
         C-PLACE1006371
         C-PLACE1006469//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
 15
         TIVATING ENZYME).//1.20E-83//313aa//49%//P27550
         C-PLACE1006506//Homo sapiens anaphase-promoting complex subunit 4 (APC4) mRNA, complete cds.//0//
         2170bp//99%//AF191338
         C-PLACE1006521
         C-PLACE1006534//Homo sapiens mRNA; cDNA DKFZp564G1964 (from clone DKFZp564G1964).//1.70E-192//
20
         883bp//99%//AL110144
         C-PLACE1006617
         C-PLACE1006640
         C-PLACE1006754//BILIARY GLYCOPROTEIN 1 PRECURSOR (BGP-1) (ANTIGEN CD66) (CD66A ANTIGEN).//
         6.20E-63//191aa//43%//P13688
25
         C-PLACE1006760
         C-PLACE1006779
         C-PLACE1006805
         C-PLACE1006815
         C-PLACE1006867
30
         C-PLACE1007045
         C-PLACE1007097
        C-PLACE1007111
        C-PLACE1007112
        C-PLACE1007140//Homo sapiens mRNA for KIAA1009 protein, complete cds.//0//3492bp//99%//AB023226
35
        C-PLACE1007218
        C-PLACE1007454
        C-PLACE1007478
        C-PLACE1007677
        C-PLACE10077057/Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds.//1.10E-184//1096bp//
40
        82%//AB033922
        C-PLACE1007737
        C-PLACE1007743
        C-PLACE1007852//Homo sapiens mRNA for KIAA0878 protein, complete cds.//1.00E-232//1174bp//94%//
        AB020685
45
        C-PLACE1007877
        C-PLACE1008045
        C-PLACE1008080//Homo sapiens mRNA for HEXIM1 protein, complete cds,//0//2152bp//99%//AB021179
        C-PLACE1008111//PROBABLE OXIDOREDUCTASE (EC 1.-.-.).//3.00E-25//208aa//37%//Q03326
        C-PLACE1008201//Rattus rattus zinc finger protein, complete cds.//0//2265bp//83%//L23077
50
        C-PLACE1008244//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//9.50E-21//148aa//38%//Q00808
        C-PLACE1008330//EOSINOPHIL LYSOPHOSPHOLIPASE (EC 3.1.1.5) (CHARCOT-LEYDEN CRYSTAL PRO-
        TEIN) (LYSOLECITHIN ACYLHYDROLASE) (CLC) (GALACTIN- 10).//2.20E-23//94aa//47%//Q05315
        C-PLACE1008331
55
        C-PLACE1008369
        C-PLACE1008392
        C-PLACE1008405
```

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C-PLACE1008584
         C-PLACE1008625
         C-PLACE1008630
         C-PLACE1008643/INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (ITI HEAVY CHAIN
5
         H2).//5.20E-90//483aa//38%//002668
         C-PLACE1008715
         C-PLACE1008748
         C-PLACE1008757
         C-PLACE1008798
10
         C-PLACE1008851
         C-PLACE1008947
         C-PLACE1009039
         C-PLACE1009048
         C-PLACE1009050
15
        C-PLACE10091137/Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds.//
        0//2529bp//99%//AF035586
        C-PLACE1009150
        C-PLACE1009200
        C-PLACE1009246//POLLEN SPECIFIC PROTEIN SF3.//4.40E-16//82aa//43%//P29675
        C-PLACE1009298//Homo sapiens vacuolar sorting protein 35 (VPS35) mRNA, complete cds.//0//2262bp//99%//
20
        C-PLACE1009308//GLUCOSE REPRESSION MEDIATOR PROTEIN.//4.00E-06//439aa//23%//P14922
        C-PLACE1009398//ZINC FINGER PROTEIN 135.//6.20E-97//361aa//51%//P52742
        C-PLACE1009410
25
        C-PLACE1009477//Homo sapiens mRNA for KIAA0684 protein, partial cds.//6.50E-148//592bp//99%//AB014584
        C-PLACE1009493
        C-PLACE1009539
        C-PLACE1009595
        C-PLACE1009637
30
        C-PLACE1009639
        C-PLACE1009798//RLR1 PROTEIN.//1.60E-18//270aa//23%//P53552
        C-PLACE1009861//CATHEPSIN B-LIKE CYSTEINE PROTEINASE 6 PRECURSOR (EC 3.4.22.-).//6.50E-28//
        209aa//38%//P43510
        C-PLACE1009888
        C-PLACE1009925//Homo sapiens RNA helicase (RIG-I) mRNA, complete cds.//0//1730bp//99%//AF038963
35
        C-PLACE1009947
        C-PLACE1010069
        C-PLACE1010089//Homo sapiens mRNA for KIAA1097 protein, partial cds.//0//1554bp//100%//AB029020
        C-PLACE1010231//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR).//
40
        5.10E-27//371aa//28%//Q14246
        C-PLACE1010270
        C-PLACE1010562
        C-PLACE1010579//Homo sapiens PTB domain adaptor protein CED-6 mRNA, complete cds.//9.30E-299//
        1362bp//99%//AF200715
45
        C-PLACE1010624
        C-PLACE1010628//Homo sapiens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and
        S171 gene, partial cds.//7.50E-08//324bp//64%//AF109907
        C-PLACE1010662//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-)
        (DUGT).//1.80E-222//808aa//52%//Q09332
50
        C-PLAC.E1010702//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//5.20E-151//427aa//55%//P28160
        C-PLACE1010761
        C-PLACE1010802 C-PLACE1010833//CALTRACTIN (CENTRIN).//0.0000001//154aa//28%//P41209
        C-PLACE1010896//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110).//1.50E-25//583aa//
        23%//P35580
55
        C-PLACE1010916
        C-PLACE1010947
        C-PLACE1010965
```

C-PLACE1011041//Homo sapiens mRNA for BAP2-alpha protein, complete cds.//0//1701bp//97%//AB015019 C-PLACE1011056//HISTONE H1, GONADAL.//6.80E-13//154aa//37%//P02256 C-PLACE1011090//Homo sapiens mRNA; cDNA DKFZp586A0522 (from clone DKFZp586A0522).//0//880bp// 99%//AL050159 5 C-PLACE1011160//Homo sapiens HFB30 mRNA, complete cds.//0//1691bp//99%//AB022663 C-PLACE1011214 C-PLACE1011229//Homo sapiens ubiquitin-specific protease homolog (UPH) mRNA, complete cds.//2.30E-152// 701bp//99%//AF153604 C-PLACE1011273 10 C-PLACE1011291 C-PLACE1011310//MYOSIN HEAVY CHAIN, GIZZARD SMOOTH MUSCLE.//3.50E-20//496aa//25%//P10587 C-PLACE1011371//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (ITI HEAVY CHAIN H2).//1.70E-78//383aa//39%//Q61703 C-PLACE1011503 15 C-PLACE1011635//Homo sapiens heparan sulfate D-glucosaminyl 3-O-sulfotransferase-3B (30ST3B1) mRNA, complete cds.//0//1559bp//99%//AF105377 C-PLACE1011646//Homo sapiens clone 25059 mRNA sequence.//5.00E-223//1035bp//99%//AF131752 C-PLACE1011650 C-PLACE1011675 20 C-PLACE1011725 C-PLACE1011749 C-PLACE1011922//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE B) (NMMHC-B).//1.30E-15//409aa//27%//P35580 C-PLACE1012031//Homo sapiens mRNA for KIAA0713 protein, partial cds.//0//1163bp//100%//AB018256 25 C-PLACE2000006 C-PLACE2000007//Homo sapiens mRNA for KIAA0913 protein, partial cds.//0//1968bp//97%//AB020720 C-PLACE2000034//LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) (EC 3.1.3.48).//2.20E-29// 212aa//35%//P10586 C-PLACE2000039//Rattus norvegicus cytoplasmic dynein heavy chain (MAP 1C), mRNA, complete cds.//4.60E-30 291//1167bp//89%//L08505 C-PLACE2000061 C-PLACE2000072//Homo sapiens ZNF202 beta (ZNF202) mRNA, complete cds.//0//3174bp//99%//AF027219 C-PLACE2000097 C-PLACE2000103 35 C-PLACE2000115 C-PLACE2000124 C-PLACE2000140 C-PLACE2000164//TIPD PROTEIN.//2.10E-59//481aa//33%//O15736 C-PLACE2000176 40 C-PLACE2000223 C-PLACE2000235 C-PLACE2000274//DYNEIN BETA CHAIN, CILIARY.//2.20E-167//880aa//37%//P23098 C-PLACE2000302 C-PLACE2000347 45 C-PLACE2000359 C-PLACE2000371//TENSIN.//2.90E-78//561aa//37%//Q04205 C-PLACE2000379 C-PLACE2000399//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PRO-TEIN) (12E7).//1.60E-14//180aa//39%//P14209 50 C-PLACE2000404//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE-TRNA LIGASE) (LEURS).//9.90E-229//821aa//54%//Q09996 C-PLACE2000450 C-PLACE2000455 C-PLACE3000059//Mus musculus mRNA for ubiquitin conjugating enzyme.//0//1979bp//90%//Y17267 C-PLACE3000070 55 C-PLACE3000119 C-PLACE3000121//VESICULAR TRAFFIC CONTROL PROTEIN SEC15.//1.90E-08//281 aa//22%//P22224

```
C-PLACE3000147//Homo sapiens metalloproteinase with thrombospondin type 1 motifs ADAMTS1 (ADAMTS1)
         mRNA, complete cds.//0//2043bp//99%//AF170084
         C-PLACE3000148
         C-PLACE3000155//Homo sapiens mRNA for KIAA0672 protein, complete cds.//2.10E-75//382bp//99%//
5
         AB014572
         C-PLACE3000160
         C-PLACE3000169//ZINC FINGER PROTEIN 135.//2.50E-90//358aa//47%//P52742
         C-PLACE3000194
         C-PLACE3000199
10
         C-PLACE3000218//Homo sapiens putative protein O-mannosyltransferase (POMT2) mRNA, complete cds.//0//
         1862bp//98%//AF105020
         C-PLACE3000230
         C-PLACE3000244//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR).//0//1435aay/92%//P53995
         C-PLACE3000254//Homo sapiens transcriptional activator SRCAP (SRCAP) mRNA, complete cds.//0//4583bp//
15
         83%//AF143946
         C-PLACE3000276
         C-PLACE3000310
         C-PLACE3000320
         C-PLACE3000331
20
         C-PLACE3000339//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1.4-ALPHA- GLUCOSI-
         DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//9.60E-08//359aa//23 %//P08640
         C-PLACE3000353//Homo sapiens mRNA; cDNA DKFZp586H0623 (from clone DKFZp586H0623).//0//2456bp//
         99%//AL096739
25
         C-PLACE3000362
         C-PLACE3000365
        C-PLACE3000388
         C-PLACE3000413
        C-PLACE3000425
30
        C-PLACE4000009//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE
        B) (NMMHC-B).//2.90E-54//626aa//29%//P35580
        C-PLACE4000014//X-LINKED HELICASE II (X-LINKED NUCLEAR PROTEIN) (XNP),//3.10E-111//348aa//41%//
        P46100
        C-PLACE4000052//Homo sapiens ATP cassette binding transporter 1 (ABC1) mRNA, complete cds.//0//4661bp//
35
        99%//AF165281
        C-PLACE4000089
        C-PLACE4000128//Mus musculus putative transcription factor mRNA, complete cds.//1.60E-86//190aa//88%//
        AF091234
        C-PLACE4000129
40
        C-PLACE4000147
        C-PLACE4000192//ZINC FINGER PROTEIN 142 (KIAA0236) (HA4654).//7.00E-22//369aa//25%//P52746
        C-PLACE4000211//Homo sapiens TTF-I interacting peptide 5 mRNA, partial cds.//1.70E-262//1217bp//98%//
        AF000422
        C-PLACE4000222
45
        C-PLACE4000269//Homo sapiens mRNA for KIAA1067 protein, partial cds.//0//3787bp//99%//AB028990
        C-PLACE4000270
        C-PLACE4000300
        C-PLACE4000387
        C-PLACE4000392
50
        C-PLACE4000431//H.sapiens gene for U5 snRNP-specific 200kD protein.//0//5142bp//90%//Z70200
        C-PLACE4000450//Homo sapiens TTF-I interacting peptide 5 mRNA, partial cds.//2.70E-261//1217b.p//98%//
        AF000422
        C-PLACE4000465
        C-PLACE4000489//PROTEIN GRAINY-HEAD (DNA-BINDING PROTEIN ELF-1) (ELEMENT I-BINDING ACTIV-
55
        ITY) (TRANSCRIPTION FACTOR NTF-1).//5.70E-60//254aa//44%//P13002
        C-PLACE4000654//Mus musculus mRNA for ubiquitin conjugating enzyme.//0//6340bp//87%//Y17267
        C-SKNMC1000011//PUTATIVE IMPORTIN BETA-4 SUBUNIT (KARYOPHERIN BETA-4 SUBUNIT).//5.50E-35//
```

431aa//29%//O60100

EP 1 074 617 A2 C-SKNMC1000046//Homo sapiens liprin-alpha3 mRNA, partial cds.//1.90E-162//749bp//99%//AF034800 C-SKNMC1000050//CALPAIN 2, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEU-TRAL PROTEINASE) (CANP) (M-TYPE).//3.20E-41//87aa//98%//P17655 C-THYRO1000034//TRICHOHYALIN.//9.40E-10//176aa//30%//P37709 C-THYRO1000070 C-THYRO1000072//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC 2.7.1.117) (MLCK) [CONTAINS: TELOKIN].//3.40E-16//201aa//29%//P11799 C-THYRO1000092 C-THYRO1000121//Homo sapiens mRNA for KIAA1116 protein, complete cds.//0//2159bp//99%//AB029039 C-THYRO1000124 C-THYRO1000197//Homo sapiens mRNA for poly(A)-specific ribonuclease.//0//2362bp//99%//AJ005698 C-THYRO1000199//Homo sapiens mRNA for KIAA0652 protein, complete cds.//0//1409bp//98%//AB014552 C-THYRO1000206 C-THYRO1000242//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//5.00E-118//239aa//66%// P51523 C-THYRO1000253 C-THYRO1000270 C-THYRO1000288//Homo sapiens mRNA for Hs Ste24p, complete cds.//0//2161bp//99%//AB016068 C-THYRO1000320 C-THYRO1000358//SELENIUM-BINDING LIVER PROTEIN.//2.30E-229//237aa//79%//P17563 C-THYRO1000368 C-THYRO1000381 C-THYRO1000387 C-THYRO1000394//Homo sapiens peroxisomal membrane protein PMP 24 mRNA, complete cds.//1.20E-299// 1325bp//99%//AF072864 C-THYRO10003957/Homo sapiens actin-binding protein (IPP) mRNA, complete cds.//0//2092bp//99%//AF156857 C-THYRO1000401 C-THYRO1000488//Homo sapiens HFB30 mRNA, complete cds.//0//2254bp//100%//AB022663 C-THYRO1000501//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))(RO(SS-A)).// 4.20E-98//408aa//42%//P19474 C-THYRO1000558 C-THYRO1000570 C-THYRO1000605//Homo sapiens histone acetyltransferase (HBOa) mRNA, complete cds.//0//3080bp//99%// AF140360 C-THYRO1000625 C-THYRO1000637 C-THYRO1000676 C-THYRO1000684//Homo sapiens mRNA for KIAA0872 protein, complete cds.//0//2131bp//99%//AB020679 C-THYRO1000712 C-THYRO1000805 C-THYRO1000815 C-THYRO1000855 C-THYRO1000934//PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE).// 7.50E-57//315aa//43%//P32322

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45 C-THYRO1000988

> C-THYRO1001033//TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521.//8.40E-12//167aa//29%//P31948 C-THYRO1001120//Mus musculus FX-induced thymoma transcript (FXI-T1) mRNA, complete cds.//1.90E-92// 1479bp//66%//U38252

> C-THYRO1001204//Homo sapiens cathepsin Z precursor (CTSZ) gene, exons 4, 5, and 6 and complete cds; and TH1 gene partial sequence.//3.80E-100//478bp//99%//AF136276

C-THYRO1001262

C-THYRO1001271

C-THYRO1001287//MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE (EC 3.2.1.113) (MAN(9)-ALPHA-MANNOSIDASE) (FRAGMENT).//3.40E-51//429aa//33%//P45701

55 C-THYRO1001313//Homo sapiens sorting nexin 11 (SNX11) mRNA, complete cds.//0//2330bp//94%//AF121861 C-THYRO1001347

C-THYRO1001363//Homo sapiens mRNA; cDNA DKFZp56400423 (from clone DKFZp56400423).//0//2173bp// 99%//AL080120

C-THYRO1001374//Homo sapiens mRNA forKIAA0707 protein, partial cds.//0//1700bp//99%//AB014607 C-THYRO1001403 C-THYRO1001405//PLECTIN.//6.90E-19//450aa//27%//P30427 C-THYRO1001406//Homo sapiens steroid dehydrogenase homolog mRNA, complete cds.//0//1676bp//98%// 5 AF078850 C-THYRO1001426 C-THYRO1001458//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE B) (NMMHC-B).//2.70E-171//559aa//59%//P35580 C-THYRO1001480 10 C-THYRO1001487 C-THYRO1001584 C-THYRO1001661 C-THYRO1001746 C-THYRO1001772 15 C-THYRO1001854 C-Y79AA1000013//Mus musculus RING finger protein A07 mRNA, complete cds.//8.90E-205//1435bp//81 %// AF171060 C-Y79AA1000033//Homo sapiens CARD4 mRNA, complete cds.//0//2929bp//96%//AF126484 C-Y79AA1000231//Homo sapiens nucleolar protein NOP5/NOP58 mRNA, complete cds.//0//1515bp//99%// 20 AF123534 C-Y79AA1000342//Homo sapiens Ciz1 mRNA, complete cds.//0//2644bp//81%//AB030835 C-Y79AA1000349//M.musculus Spnr mRNA for RNA binding protein.//0//2048bp//93%//X84692 C-Y79AA1000410 C-Y79AA1000539 25 C-Y79AA1000589//Homo sapiens clone 614 unknown mRNA, complete sequence.//1.00E-302//1375bp//99%// AF091080 C-Y79AA1000802 C-Y79AA1000827 C-Y79AA1000966//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.//0//1586bp//99%//AF100757 30 C-Y79AA1000969 C-Y79AA1000985//Human centrosomal protein kendrin mRNA, complete cds.//4.70E-151//985bp//87%//U52962 C-Y79AA1001061 C-Y79AA1001068 C-Y79AA1001216 35 C-Y79AA1001299//Homo sapiens mRNA for integrase interactor 1b protein (INI1B).//0//996bp//99%//AJ011738 C-Y79AA1001511 C-Y79AA1001594//HYALURONAN-MEDIATED MOTILITY RECEPTOR (HYALURONIC ACID RECEPTOR).// 2.50E-14//410aa//24%//Q00547 C-Y79AA1001692//Mus musculus strain C57BL/J germ cell-less protein (Gcl) mRNA, complete cds.//1.40E-78// 40 227aa//40%//Q01820 C-Y79AA1001866//Homo sapiens zinc finger protein ZNF180 (ZNF180) mRNA, complete cds.//0//2927bp//97%// AF192913 C-Y79AA1001874//OX40L RECEPTOR PRECURSOR (ACT35 ANTIGEN) (TAX-TRANSCRIPTIONALLY ACTI-VATED GLYCOPROTEIN 1 RECEPTOR) (CD134 ANTIGEN).//4.50E-08//135aa//31%//P43489 45 C-Y79AA1002139//DNAJ PROTEIN HOMOLOG 1 (DROJ1).//9.00E-17//120aa//45%//Q24133 C-Y79AA1002210/YTUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PRO-TEIN).//0.0000018//140aa7/25%//Q13829 C-Y79AA1002211//PHOSPHATIDYLETHANOLAMINE-BINDING PROTEIN HOMOLOG F40A3.3.//1.70E-17// 146aa//35%//016264 50 C-Y79AA1002220 C-Y79AA1002234//Homo sapiens mRNA for KIAA0692 protein, partial cds.//0//3168bp//99%//AB014592 C-Y79AA1002258//Homo sapiens mRNA for HIP1R, complete cds.//0//2106bp//99%//AB013384 C-Y79AA1002361//Rattus norvegicus mRNA for protein phosphatase 1 (GL-subunit).//6.90E-140//966bp//82%// 55 C-Y79AA1002399//Homo sapiens mRNA for sperm protein.//0//1163bp//95%//X91879 C-Y79AA1002416//Mus musculus CTP synthetase homolog (CTPsH) mRNA, complete cds.//3.9e-317//1902bp//

C-Y79AA1002431//TRANSDUCIN-LIKE ENHANCER PROTEIN 2 (ESG2).//9.80E-62//318aa//35%//Q04725

86%//U49385

C-Y79AA1002482//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.70E-137//340aa// 51%//Q05481 C-Y79AA1002487//Homo sapiens chromosome 5 F-box protein Fbx4 (FBX4) mRNA, complete cds.//7.3e-310// 1444bp//98%//AF129534 C-HEMBA1000290 C-HEMBA1000459 C-HEMBA1000505 C-HEMBA1001196//Human DNA topoisomerase II (top2) mRNA, complete cds.//1.60E-268//1213bp//100%// J04088 10 C-HEMBA1002503 C-HEMBA1002508 C-HEMBA1002513//Homo sapiens mRNA for histone deacetylase-like protein (JM21).//0//2432bp//99%// AJ011972 C-HEMBA1003480 15 C-HEMBA1003538//COMPLEMENT C1R COMPONENT PRECURSOR (EC 3.4.21.41).//2.40E-110//242aa// 58%//P00736 C-HEMBA10036451/TTPD PROTEIN.//2.40E-10//289aa//23%//015736 C-HEMBA1003646//Homo sapiens mRNA for KIAA1013 protein, partial cds.//0//3049bp//99%//AB023230 C-HEMBA1003667 20 C-HEMBA1003679//SIALIDASE (EC 3.2.1.18) (NEURAMINIDASE) (NA) (MAJOR SURFACE ANTIGEN).//1.00E-09//611aa//22%//P23253 C-HEMBA1003827 C-HEMBA1003838 C-HEMBA1004055 25 C-HEMBA1004056 C-HEMBA1004086 C-HEMBA1004335 C-HEMBA1004353//C-MYC BINDING PROTEIN MM-1.//3.00E-71//89aa//96%//Q99471 C-HEMBA1004479//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PRO-30 TEIN).//3.10E-51//152aa//40%//Q61221 C-HEMBA1004499//Homo sapiens delta-tubulin mRNA, complete cds.//3.40E-92//483bp//95%//AF201333 C-HEMBA1004507 C-HEMBA1004638 C-HEMBA1004669//SON PROTEIN (SON3).//7.30E-17//288aa//36%//P18583 35 C-HEMBA1004709 C-HEMBA1004860 C-HEMBA1005206//Drosophila simulans anon73B1 gene and Su(P) gene.//1.90E-11//376bp//63%//AJ250308 C-HEMBA1005472 C-HEMBA1005513//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-).//1.90E-129//332aa//61%//002193 40 C-HEMBA1005572 C-HEMBA1005780 C-HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//0//2371bp//100%// AF082516 C-HEMBA1006038//LAMININ ALPHA-5 CHAIN (FRAGMENT).//3.10E-33//81aa//64%//Q61001 45 C-HEMBA1006124 C-HEMBA1006461 C-HEMBA1006521//3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE (EC 1.1.1.100) (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE).//4.00E-33//177aa//42%//P25716 C-HEMBA1006617 50 C-HEMBA1006650//ARP2/3 COMPLEX 20 KD SUBUNIT (P20-ARC).//9.00E-40//113aa//82%//015509 C-HEMBA1006779 C-HEMBA1006796 C-HEMBA1006812 C-HEMBA1006914//Human anthracycline-associated resistance ARX mRNA, complete cds.//0//1837bp//99%// U35832 C-HEMBA1007174//Homo sapiens mRNA for KIAA1065 protein, complete cds.//0//1079bp//97%//AB028988

C-HEMBB1000264//CHL1 PROTEIN.//9.50E-19//104aa//45%//P22516

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C-HEMBB1000240

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C-HEMBB1000335
         C-HEMBB1000337
        C-HEMBB1000554
        C-HEMBB1000573
        C-HEMBB1000749
        C-HEMBB1000774
        C-HEMBB1000835
        C-HEMBB1001197
        C-HEMBB1001315
        C-HEMBB1001482//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.10E-57//941aa//
10
        27%//Q05481
        C-HEMBB1001500
        C-HEMBB1001562//CYLICIN II (MULTIPLE-BAND POLYPEPTIDE II).//1.40E-06//373aa//21%//Q28092
        C-HEMBB1001619
15
        C-HEMBB1001630
        C-HEMBB1001665
        C-HEMBB1001684//Homo sapiens mRNA for KIAA1108 protein, partial cds.//0//2348bp//99%//AB029031
        C-HEMBB1001812
        C-HEMBB1001834
20
        C-HEMBB1001869
        C-HEMBB1001871/BONE/CARTILAGE PROTEOGLYCAN I PRECURSOR (BIGLYCAN) (PG-S 1).//5.40E-75//
        241aa//48%//P47853
        C-HEMBB1001872//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR)
        (CELL SURFACE GLYCOPROTEIN F4/80).//1.90E-22//210aa//27%//Q61549
25
        C-HEMBB1001905//TRICHOHYALIN.//2.10E-10//268aa//27%//P37709
        C-HEMBB1001908//Human monocytic leukaemia zinc finger protein (MOZ) mRNA, complete cds.//1.60E-131//
        874bp//86%//U47742
        C-HEMBB1001915//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (EC 3.1.2.15) (UBIQUITIN THI-
        OLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME
30
        64E).//6.90E-132//561aa//50%//Q24574
        C-HEMBB1001925
        C-HEMBB1002044//Mus musculus mRNA for vascular cadherin-2.//0//3562bp//81%//Y08715
        C-HEMBB1002134//ZINC-FINGER PROTEIN NEURO-D4.//8.10E-56//176aa//67%//P56163
        C-HEMBB1002152
35
        C-HEMBB1002300
        C-HEMBB1002381
        C-HEMBB1002383
        C-HEMBB1002534
        C-MAMMA1000143
40
        C-MAMMA1000183//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2),//3.40E-134//359aa//63%//
        P51523
        C-MAMMA1000227
        C-MAMMA1000257
        C-MAMMA1000264
45
        C-MAMMA1000270
        C-MAMMA1000279
        C-MAMMA1000372
        C-MAMMA1000559
        C-MAMMA1000752
50
        C-MAMMA1000760
        C-MAMMA1000778
        C-MAMMA1000855
        C-MAMMA1000859
        C-MAMMA1000897//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H3 PRECURSOR (ITI HEAVY CHAIN
55
        H3) (SERUM-DERIVED HYALURONAN-ASSOCIATED PROTEIN) (SHAP).//1.00E-141//576aa//37%//Q06033
        C-MAMMA1000940
        C-MAMMA1001073
```

C-MAMMA1001080//Homo sapiens SNC73 protein (SNC73) mRNA, complete cds.//1.6e-312//1596bp//94%//

```
AF067420
        C-MAMMA10011987/Homo sapiens eps15RmRNA, partial cds.//0//2253bp//99%//AB015346
        C-MAMMA1001202
        C-MAMMA1001222//EBNA-2 NUCLEAR PROTEIN.//6.60E-09//255aa//29%//P12978
5
        C-MAMMA1001252
        C-MAMMA1001296
        C-MAMMA1001502
        C-MAMMA1001630
        C-MAMMA1001633//ZINC FINGER PROTEIN 165.//6.30E-39//160aa//55%//P49910
10
        C-MAMMA1001683
        C-MAMMA1001715
        C-MAMMA1001730//Homo sapiens brain and nasopharyngeal carcinoma susceptibility protein NSG-x mRNA, par-
        tial cds.//0//1603bp//99%//AF095687
        C-MAMMA1001760
15
        C-MAMMA1001769
        C-MAMMA1001785
        C-MAMMA1001848
        C-MAMMA1001874
        C-MAMMA1001956
20
        C-MAMMA1002009
        C-MAMMA1002033
        C-MAMMA1002155
        C-MAMMA1002498
        C-MAMMA1002545
25
        C-MAMMA1002571
        C-MAMMA1002573//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3)(GLUCAN 1,4-ALPHA- GLUCOSI-
        DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//2.60E-19//666aa//23%//P08640
        C-MAMMA1002590
        C-MAMMA1002617//ZINC FINGER PROTEIN 135.//7.60E-89//252aa//57%//P52742
30
        C-MAMMA1002618
        C-MAMMA1002636
        C-MAMMA1002646
        C-MAMMA1002665
        C-MAMMA1002708
35
        C-MAMMA1002728
        C-MAMMA1002744
        C-MAMMA1002764
        C-MAMMA1002765
        C-MAMMA1002830
40
        C-MAMMA1002844//TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, NON-GREEN PLASTID PRECUR-
        SOR (CTPT).//4.90E-10//334aa//22%//P52178
        C-MAMMA100285 8//Rat cMG1 mRNA.//3.70E-238//1147bp//92%//X52590
        C-MAMMA1002880
        C-MAMMA1002892
45
        C-MAMMA1002909
        C-MAMMA1002941
        C-MAMMA1002947
        C-MAMMA1002972//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS27.//1.10E-05//69aa//42%//
        P40343
50
        C-MAMMA1002973
        C-MAMMA1002987
        C-MAMMA1003003
        C-MAMMA1003026//Homo sapiens HSPC057 mRNA, complete cds.//0//1773bp//98%//AF161542
        C-MAMMA1003031
55
        C-MAMMA1003089
        C-NT2RM1000092//MULTIDRUG RESISTANCE PROTEIN 2 (MULTIDRUG-EFFLUX TRANSPORTER 2).//
        1.00E-07//362aa//23%//P39843
        C-NT2RM1000272
```

| C- | ŀ | 11 | 2 | R | ٨ | ٨ | 1 | 0 | 0 | 0 | 3 | 4 |
|----|---|----|---|---|---|---|---|---|---|---|---|---|
| _  |   |    |   | _ | _ |   |   | _ | _ |   |   |   |

C-NT2RM1000539//Homo sapiens mRNA for Lsm5 protein.//3.00E-158//733bp//99%//AJ238097

C-NT2RM1000553//Homo sapiens putative glycolipid transfer protein mRNA, complete cds.//3.40E-177//814bp// 99%//AF103731

5 C-NT2RM1000623//RIBONUCLEASE INHIBITOR.//4.40E-21//372aa//30%//P10775

C-NT2RM1000702//PUTATIVE SERINE/THREONINE-PROTEIN KINASE PKWA (EC 2.7.1.-).//5.60E-08//187aa// 27%//P49695

C-NT2RM1000833//Homo sapiens sec61 homolog mRNA, complete cds.//0//3541bp//99%//AF084458

C-NT2RM1000883//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//0//5107bp//99%//

10 AF082516

C-NT2RM1001082

C-NT2RM1001112

C-NT2RM2001105//Drosophila melanogaster eyelid (eld) mRNA, complete cds.//1.20E-28//805bp//61%// AF053091

15 C-NT2RM2001360//Homo sapiens clone C40 unknown mRNA.//1.00E-250//1136bp//100%//AF103798

C-NT2RM2001797//Homo sapiens mRNA; cDNA DKFZp572C163 (from clone DKFZp572C163); partial cds.//0// 2300bp//100%//AL110217

C-NT2RM2001803//Homo sapiens IkappaB kinase cbmplex associated protein (IKAP) mRNA, complete cds.//0// 2249bp//99%//AF044195

20 C-NT2RM4002504

C-NT2RP1000409

C-NT2RP1000460//Homo sapiens mRNA for KIAA1068 protein, partial cds.//0//3199bp//99%//AB028991 C-NT2RP1000746//Homo sapiens 60S acidic ribosomal protein PO mRNA, complete cds.//9.70E-196//901bp//99%//AF173378

25 C-NT2RP1000796

C-NT2RP1001013//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//7.70E-253//425aa//98%//P51522

C-NT2RP2001214

C-NT2RP2001233//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.00E-128//409aa//

45%//Q05481

30

C-NT2RP2001440//Homo sapiens mRNA for 14-3-3gamma, complete cds.//0//3712bp//99%//AB024334 C-NT2RP2002056

C-NT2RP2002105//H.sapiens MSH-R gene for melanocyte stimulating hormone receptor.//0//1644bp//98%// X65634

35 C-NT2RP2002333

C-NT2RP2002677

C-NT2RP2002755

C-NT2RP2002843

C-NT2RP2003101

40 C-NT2RP2003668

C-NT2RP2003799

C-NT2RP2004095

C-NT2RP2004300

C-NT2RP2004675

C-NT2RP2004920//TRANSCRIPTIONAL REGULATOR ATRX (X-LINKED NUCLEAR PROTEIN) (HETERO-CHROMATIN PROTEIN 2) (HP1 ALPHA-INTERACTING PROTEIN) (HP1-BP38 PROTEIN).//4.20E-09//804aa//22%//Q61687

C-NT2RP2005144//Homo sapiens tubby like protein 3 (TULP3) mRNA, complete cds.//2.10E-308//1437bp//98%//AF045583

50 C-NT2RP2005719//GPI-ANCHORED PROTEIN P137.//4.00E-14//99aa//43%//Q14444 C-NT2RP2005726

C-NT2RP2005776//POLY(A) POLYMERASE TYPE 2 (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE).//4.40E-55//358aa//42%//P51005

C-NT2RP2005980

C-NT2RP2006184//Homo sapiens mRNA for KIAA0918 protein, partial cds.//0//4235bp//99%//AB020725 C-NT2RP2006534//5'-AMP-ACTIVATED PROTEIN KINASE, CATALYTIC ALPHA-1 CHAIN (EC 2.7.1.-) (AMPK ALPHA-1 CHAIN) (FRAGMENT).//3.20E-11//32aa//96%//Q13131 C-NT2RP2006554

|    | C-NT2RP3000584<br>C-NT2RP3001115   |
|----|--|
|    | C-NT2RP3001723//Homo sapiens cell recognition molecule Caspr2 (CASPR2) mRNA, complete cds.//1.40E-58// 1138bp//63%//AF193613   |
| 5  | C-NT2RP3001938//SPORULATION-SPECIFIC PROTEIN 1 (EC 2.7.1).//1.30E- 22//227aa//33%//P08458 C-NT2RP3002330//Homo sapiens eRFS mRNA, complete cds.//0//2443bp//99%//U87791 C-NT2RP3002402 |
|    | C-NT2RP3002484//Homo sapiens mRNA for KIAA0998 protein, partial cds.//1.20E-124//597bp//98%//AB023215<br>C-NT2RP3002512  |
| 10 | C-NT2RP3002713   |
|    | C-NT2RP3002770//MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD116.//1.00E-07//70aa//41%//P17564  |
|    | C-NT2RP3002799   |
| 15 | C-NT2RP3002810//HISTIDINE-RICH PROTEIN KE4.//2.20E-10//260aa//26%//Q31125<br>C-NT2RP3002818//INSERTION ELEMENT IS2A HYPOTHETICAL 48.2 KD PROTEIN.//5.70E-226//303aa//97%//P51026       |
|    | C-NT2RP3002955   |
|    | C-NT2RP3002985   |
|    | C-NT2RP3003059//Rattus norvegicus potassium channel regulator 1 mRNA, complete cds.//3.80E-152//1007bp//   |
| 20 | 82%//U78090  |
|    | C-NT2RP3003121   |
|    | C-NT2RP3003133//Homo sapiens ZK1 mRNA for Kruppel-type zinc fmger protein, complete cds.//0//1998bp//  |
|    | 91%//AB011414  |
| 25 | C-NT2RP3003138//Homo sapiens kinesin superfamily motor KIF4 mRNA, complete cds.//0//2159bp//98%//AF071592  |
| 20 | C-NT2RP3003155   |
|    | C-NT2RP3003157   |
|    | C-NT2RP3003185//TROPOMYOSIN 1, FUSION PROTEIN 33.//2.80E-06//402aa//23%//P49455  |
|    | C-NT2RP3003264   |
| 30 | C-NT2RP3003346   |
|    | C-NT2RP3003403   |
|    | C-NT2RP3003411//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.//6.30E-270//   |
|    | 743bp//90%//AF071317   |
| 35 | C-NT2RP3003500//SCY1 PROTEIN.//9.20E-27//601aa//23%//P53009<br>C-NT2RP3003572  |
|    | C-NT2RP3003576   |
|    | C-NT2RP3003665//Homo sapiens mRNA for beta-ureidopropionase, complete cds.//0//1690bp//99%//AB013885   |
|    | C-NT2RP3003672//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PROTEIN) (12E7).//2.20E-13//146aa//42%//P14209  |
| 40 | C-NT2RP3003680//Homo sapiens mRNA; cDNA DKFZp434J154 (from clone DKFZp434J154); complete cds.//0//   |
|    | 2047bp//95%//AL080155  |
|    | C-NT2RP3003799//Rattus norvegicus Srg1 (Sytr1) mRNA, complete cds.//9.00E-238//1529bp//84%//U71294   |
|    | C-NT2RP3003800//Rattus norvegicus tyrosine protein kinase pp60-c-src mRNA, complete cds.//1.90E-163//924bp//89%//AF130457  |
| 45 | C-NT2RP3003828   |
|    | C-NT2RP3003932   |
|    | C-NT2RP3003992//Homo sapiens mRNA; cDNA DKFZp564C186 (from clone DKFZp564Cl 86).//0//2739bp//  |
|    | 99%//AL050019  |
|    | C-NT2RP3004013//M.musculus Spnr mRNA for RNA binding protein.//6.50E-240//1215bp//94%//X84692  |
| 50 | C-NT2RP3004028   |
| •  | C-NT2RP3004041   |
|    | C-NT2RP3004051   |
|    | C-NT2RP3004078//H.sapiens HRFX2 mRNA.//0//1806bp//99%//X76091  |
|    | C-NT2RP3004093   |

C-NT2RP3004125//Mus musculus zinc finger protein splice variant FIZ1-B (Fiz1) mRNA, complete cds.//4.60E-

C-NT2RP3004148//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-

55

C-NT2RP3004095

229//1560bp//78%//AF126747

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DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE)://7.90E-05//271aa//22%//P08640
         C-NT2RP3004155//Homo sapiens COQ7 protein mRNA, complete cds.//1.10E-179//823bp//100%//AF098948
         C-NT2RP3004189//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1J/1.30E-14//242aa//24%//Q00808
         C-NT2RP3004332
 5
         C-NT2RP3004349
         C-NT2RP3004470
         C-NT2RP4000035
         C-NT2RP4000049
         C-NT2RP4000102
10
         C-NT2RP4000167
         C-NT2RP4000515
         C-NT2RP4000517
         C-NT2RP4000519
         C-NT2RP5003512//Homo sapiens mRNA for KIAA1291 protein, partial cds.//0//1980bp//99%//AB033117
15
         C-OVARC1000092
         C-OVARC1000533
         C-OVARC1000678
         C-OVARC1000689//Homo sapiens mRNA; cDNA DKFZp434C1415 (from clone DKFZp434C1415); partial cds.//
         0//2032bp//99%//AL133014
20
         C-OVARC1000802
         C-OVARC1000890
         C-OVARC1000891
         C-OVARC1000945//Rattus norvegicus mRNA for atypical PKC specific binding protein, complete cds.//0//1961bp//
         82%//AB005549
25
        C-OVARC1001072
        C-OVARC1001117
        C-OVARC1001200//Mus musculus mRNA for HS1 binding protein 3.//5.80E-88//658bp//80%//AJ132192
        C-OVARC1001244//H.sapiens mRNA for Drosophila female sterile homeotic (FSH) homologue.//0//1467bp//99%//
        X62083
30
        C-OVARC1001329
        C-OVARC1001341
        C-OVARC1001376
        C-OVARC1001496//Homo sapiens C-terminal binding protein 2 mRNA, complete cds.//0//1876bp//98%//
        AF016507
35
        C-OVARC1001873
        C-PLACE1000007//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE R10E11.3 (EC 3.1.2.15)
        (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-
        ZYME).//1.60E-81//212aa//70%//P34547
        C-PLACE1000547//Homo sapiens GDP-mannose pyrophosphorylase B (GMPPB) mRNA, complete cds.//3.70E-
40
        241//1124bp//98%//AF135421
        C-PLACE1001036//Homo sapiens mRNA for KIAA1017 protein, complete cds.//0//2117bp//99%//AB023234
        C-PLACE1001076
        C-PLACE1001118//ZINC FINGER PROTEIN 135.//5.40E-147//443aa//57%//P52742
        C-PLACE1001366
45
        C-PLACE1001545
        C-PLACE1001608
        C-PLACE1002004
        C-PLACE1002256
        C-PLACE1002437//ATP-BINDING CASSETTE TRANSPORTER 1.//4.50E-76//180aa//83%//P41233
50
        C-PLACE1002591//CORONIN-LIKE PROTEIN P57.//4.40E-70//208aa//66%//P31146
        C-PLACE1002665//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.//0//2462bp//89%//
        AF079765
        C-PLACE1003383
        C-PLACE1003864
55
        C-PLACE1004793//RETROVIRUS-RELATED ENV POLYPROTEIN.//5.20E-47//577aa//25%//P10267
        C-PLACE1004913
        C-PLACE1004979
        C-PLACE1005052//Homo sapiens CGI-16 protein mRNA, complete cds.//6.6e-313//1413bp//99%//AF132950
```

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C-PLACE1005055//Homo sapiens mRNA for KIAA0576 protein, partial cds.//0//2431bp//99%//AB011148
         C-PLACE1005128
         C-PLACE1005162
         C-PLACE1005176//Homo sapiens hypothalamus protein HT001 mRNA, complete cds.//3.90E-212//1040bp//
 5
         96%//AF113539
         C-PLACE1005467//PENICILLIN-BINDING PROTEIN 4* (PBP 4*) (PBP 4A).//1.10E-09//93aa//31%//P32959
         C-PLACE1005549//Homo sapiens mRNA for Rho guanine nucleotide-exchange factor, splice variant NET1A.//
         7.60E-97//1287bp//67%//AJ010046
         C-PLACE1005584//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICPO (P135 PROTEIN) (IER 2.9/ER2.6).//
10
         6.80E-09//267aa//30%//P29128
        C-PLACE1005611//Mus musculus mRNA for mDjIO, complete cds.//2.00E-33//379bp//66%//AB028860
         C-PLACE1005802
        C-PLACE1005850
        C-PLACE1005898
15
        C-PLACE1005932
        C-PLACE1006129//Homo sapiens HSPC057 mRNA, complete cds.//0//2849bp//98%//AF161542
        C-PLACE1006360
        C-PLACE1006795
        C-PLACE1006878//TRNA-SPUCING ENDONUCLEASE SUBUNIT SEN2 (EC 3.1.27.9) (TRNA-INTRON ENDO-
20
        NUCLEASE).//1.90E-08//122aa//36%//P16658
        C-PLACE1007557
        C-PLACE1007807
        C-PLACE1008181
        C-PLACE1008426//Homo sapiens mRNA for KIAA1288 protein, partial cds.//0//3311bp//99%//AB033114
25
        C-PLACE1008455
        C-PLACE1008941
        C-PLACE1009935
        C-PLACE1010310//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT).//1.20E-18//467aa//30%//P46804
        C-PLACE1011891
30
        C-PLACE10118967/Mus musculus Wnt10a mRNA, complete cds.//2.60E-287//1820bp//85%//U61969
        C-PLACE2000003
        C-PLACE2000132
        C-PLACE2000170
        C-PLACE2000335
35
        C-PLACE3000124
        C-PLACE3000158
        C-PLACE3000207
        C-PLACE3000221
        C-PLACE3000271
40
        C-PLACE3000304
        C-PLACE3000322
        C-PLACE3000341
        C-PLACE3000373
        C-PLACE3000399
45
        C-PLACE3000401
        C-PLACE3000402
        C-PLACE3000406
        C-PLACE3000475
        C-PLACE4000063//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-
50
        DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//1.70E-15//740aa//23%//P08640
        C-PLACE4000093
        C-PLACE4000100//Homo sapiens hydroxypyruvate reductase (GRHPR) gene, complete cds.//0//4199bp//97%//
        C-PLACE4000131//Homo sapiens mRNA; cDNA DKFZp586J0917 (from clone DKFZp586J0917); partial cds.//0//
        1612bp//97%//AL117455
        C-PLACE4000247
        C-PLACE4000250
        C-PLACE4000252
```

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C-PLACE4000259//H.sapiens gene for U5 snRNP-specific 200kD protein.//0//5143bp//90%//Z70200
         C-PLACE4000261//PEREGRIN (BR140 PROTEIN).//9.50E-10//128aa//34%//P55201
         C-PLACE4000320
         C-PLACE4000344
         C-PLACE4000367
         C-PLACE4000401//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
         TIVATING ENZYME).//7.20E-22//54aa//62%//Q01576
         C-PLACE4000411//Homo sapiens mRNA; cDNA DKFZp586D0624 (from clone DKFZp586D0624); partial cds.//
         0//2159bp//98%//AL117654
10
         C-PLACE4000487
         C-PLACE4000494
         C-PLACE4000521
         C-PLACE4000548//Homo sapiens mRNA for KIAA0947 protein, partial cds.//0//4864bp//99%//AB023164
         C-SKNMC1000013//Homo sapiens ATP-binding cassette protein M-ABC1 mRNA, nuclear gene encoding mito-
15
         chondrial protein, complete cds.//0//2384bp//99%//AF047690
         C-SKNMC1000091//Homo sapiens mRNA for leucine-zipper protein, complete cds.//6.10E-190//872bp//99%//
         AB021663
         C-THYRO1000343//Homo sapiens mRNA for KIAA0790 protein, partial cds.//0//3711bp//99%//AB018333
         C-THYRO1000569//Mus musculus hematopoietic zinc finger protein mRNA, complete cds.//0//1557bp//91%//
20
         AF118566
         C-THYRO1001142
         C-THYRO1001189//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7),//1.10E-200//546aa//
         62%//005481
         C-THYRO1001320
25
         C-THYRO1001537//Homo sapiens mRNA; cDNA DKFZp586A0522 (from clone DKFZp586A0522); partial cds.//
         0//1010bp//98%//AL050159
         C-THYRO1001602
         C-THYRO1001721//RING CANAL PROTEIN (KELCH PROTEIN).//9.30E-34//220aa//38%//Q04652
         C-THYRO1001828
30
         C-Y79AA1000346//Homo sapiens nonclathrin coat protein gamma2-COP mRNA, complete cds.//0//2520bp//99%//
         AF157833
         C-Y79AA1001167
         C-Y79AA1001384//Homo sapiens very large G-protein coupled receptor-1 (VLGR1) mRNA, complete cds.//0//
         4708bp//99%//AF055084
35
         C-Y79AA1001875//RAS-RELATED PROTEIN RAB-7.//9.40E-12//34aa//97%//P51149
         C-Y79AA1002103//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT).//3.00E-257//549aa//76%//P16415
         C-HEMBA1006092
         C-HEMBA1006406
         C-HEMBB1000790
40
         C-HEMBB1000917
         C-HEMBB1002280
         C-MAMMA1000802
         C-MAMMA1001322//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD).//0.000000017//46aa//60%//
        P20931
45
        C-MAMMA1002597
        C-MAMMA1002868
        C-NT2RP2003161
        C-NT2RP2003339
        C-NT2RP3001282
50
        C-PLACE1001761
        C-PLACE1004491
        C-PLACE1004686
        C-PLACE1005574
        C-PLACE1006382
55
        C-PLACE1006792
        C-PLACE3000455
        C-PLACE4000230//Mus musculus semaphorin VIa mRNA, complete cds.//0//2567bp//88%//AF030430
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C-THYRO1000916

- C-HEMBA1000327
- C-HEMBB1000637
- C-HEMBB1001967
- C-MAMMA1000266
- C-NT2RP2002979
  - C-PLACE1007866
  - C-PLACE3000350//SERINE/THREONINE-PROTEIN KINASE PAK-GAMMA (EC 2.7.1.-) (GAMMA-PAK) (P21-ACTIVATED KINASE 2) (PAK-2) (PAK65) (S6/H4 KINASE).//9.80E-25//155aa//45%//Q13177
  - C-PLACE4000156//ZINC FINGER PROTEIN 132.//7.10E-151//476aa//46%//P52740
- 10 C-THYRO1001637
  - C-MAMMA1002215
  - C-MAMMA1002721
  - C-NT2RP2002070
- 15 Homology search result 14.

30

- [0334] Data obtained by the homology search for full-length nucleotide sequences and deduced amino acid sequences. In the result of the search shown below, both units, as and bp, are used as length units for the sequences to be compared. Each data includes Clone name, Definition in matching data, P value, Length of sequence to be compared,
- 20 Homology, and Accession number (No.) of matching data. These items are shown in this order, separated by a double-slash mark, //.
  - C-HEMBA1000005//DNAJ PROTEIN HOMOLOG MTJ1.//1.90E-250//554aa//85%//061712
  - C-HEMBA1000012//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE)
- <sup>25</sup> (LEURS).//6.40E-99//457aa//45%//Q09996
  - C-HEMBA1000020//Homo sapiens beta 2 gene.//7.50E-264//1194bp//95%//X02344
  - C-HEMBA1000030//Homo sapiens ARF GTPase-activating protein GITI mRNA, complete cds.//0//1759bp//99%// AF124490
  - C-HEMBA1000129//HYPOTHETICAL HEUCASE C8A4.08C IN CHROMOSOME I.//3.80E-25//166aa//36%//Q09884
  - C-HEMBA1000141//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds.//0/1135bp//100%//AF196304
  - C-HEMBA1000150//Homo sapiens putative RNA helicase mRNA, complete cds.//5.20E-213//525bp//99%//AF085356
- 35 C-HEMBA1000156//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M).// 1.90E-12//368aa//24%//P08553
  - C-HEMBA1000158//HEPATOCYTE NUCLEAR FACTOR 3-GAMMA (HNF-3G).//5.00E-16//166aa//36%//P35584 C-HEMBA1000168//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE D.//2.90E-14//303aa//25%//P35662
  - C-HEMBA1000185//RAS-RELATED PROTEIN RAL-A.//3.40E-12//125aa//31 %//P48555
- C-HEMBA1000201//Homo sapiens mRNA for integrase interactor 1b protein (INI1B).//0//1612bp//99%//AJ011738 C-HEMBA1000216//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN).//1.00E-86//146aa//56%//Q61221
  - C-HEMBA1000303//Mus musculus Plenty of SH3s (POSH) mRNA, complete cds.//7.10E-254//1440bp//87%// AF030131
- C-HEMBA1000304//Rattus norvegicus Ca2\*-dependent activator protein (CAPS) mRNA, complete cds.//5.10E-131//712bp//91%//U16802
  - C-HEMBA1000307//CARNITINE DEFICIENCY-ASSOCIATED PROTEIN EXPRESSED IN VENTRICLE 1//5.20E-49//107aa//91%//035594
  - C-HEMBA1000333//Homo sapiens F-box protein Fbx21 (FBX21) mRNA, complete cds.//0//1866bp//100%//
    - C-HEMBA1000369//Homo sapiens mRNA for PICK1, complete cds.//0//1949bp//98%//AB026491
    - C-HEMBA1000411//ANKYRIN.//5.70E-12//127aa//38%//Q02357
    - C-HEMBA1000488//RING CANAL PROTEIN (KELCH PROTEIN).//3.30E-45//481aa//29%//Q04652
    - C-HEMBA1000491//RAS-LIKE PROTEIN 2.//2.00E-22//188aa//31%//P22279
- 55 C-HEMBA1000518//PECANEX PROTEIN.//2.10E-19//227aa//38%//P18490
  - C-HEMBA1000523//TESTIS-SPECIFIC PROTEIN PBS13.//2.40E-44//292aa//36%//Q01755
  - C-HEMBA1000531//HEAT SHOCK 70 KD PROTEIN COGNATE 1 (HEAT SHOCK 70 KD PROTEIN 70C) (FRAGMENTS).//2.60E-12//73aa//41%//P02826

- C-HEMBA1000542//Rattus norvegicus mRNA for dipeptidyl peptidase III, complete cds.//2.20E-194//663bp//83%//
- C-HEMBA1000555//Mus musculus Msx2 interacting nuclear target protein mRNA, complete cds.//7.90E-226//1501bp//83%//AF156529
- 5 C-HEMBA1000561//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//3.40E-37//674aa// 25 %//Q05481
  - C-HEMBA1000569//GPI-ANCHORED PROTEIN P137.//6.50E-19//265aabp//32%//Q60865
  - C-HEMBA1000588//Mus musculus FLI-LRR associated protein-1 mRNA, complete cds.//2.10E-144//602bp//77%//AF045573
- C-HEMBA1000591//PTB-ASSOCIATED SPLICING FACTOR (PSF).//2.20E-17//198aa//40%//P23246
  C-HEMBA1000592//Homo sapiens sorting nexin 6 (SNX6) mRNA, complete cds.//0//1465bp//99%//AF121856
  C-HEMBA1000608//HYPOTHETICAL PROTEIN KIAA0411 (FRAGMENT).//1.80E-55//179aa//61%//O43295
  C-HEMBA1000657//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//7.20E-156//1366bp//76%//U35776
- C-HEMBA1000851//Homo sapiens DNA binding protein p96PIF mRNA, complete cds.//0//1862bp//99%// AF173868
  - C-HEMBA1000852//ARYLSULFATASE D PRECURSOR (EC 3.1.6.-) (ASD).//1.00E-78//119aa//87%//P51689 C-HEMBA1000910//MELANOMA-ASSOCIATED ANTIGEN B1 (MAGE-B1 ANTIGEN) (MAGE-XP ANTIGEN)// 1.60E-30//127aa//40%//P43366
- 20 C-HEMBA1000919//HYPOTHETICAL 65.5 KD TRP-ASP REPEATS CONTAINING PROTEIN F02E8.5 IN CHRO-MOSOME X.//1.00E-10//288aa//23%//Q19124
  - C-HEMBA1001019//CELL DIVISION CONTROL PROTEIN 2 HOMOLOG (EC 2.7.1.-) (P34 PROTEIN KINASE) (CYCLIN-DEPENDENT KINASE 1) (CDK1).//3.10E-10//70aa//58%//P06493
  - C-HEMBA1001043//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID)(FRAGMENT).//
- <sup>25</sup> 1.40E-12//131aa//38%//Q01485

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- C-HEMBA1001059//Human N-acetylgalactosamine 6-sulphatase (GALNS) gene, exon 14.//4.80E-169//786bp//99%//U06088
- C-HEMBA1001071//PROCOLLAGEN ALPHA 1(III) CHAIN PRECURSOR.//1.50E-92//82aa//100%//P02461
- C-HEMBA1001077//Homo sapiens transcriptional intermediary factor 1 gamma mRNA, complete cds.//2.00E-80//432bp//94%//AF119043
- C-HEMBA1001088//PINCH PROTEIN (PARTICULARY INTERESTING NEW CYS-HIS PROTEIN).//3.50E-50// 176aa//57%//P48059
- C-HEMBA1001137//ZINC FINGER PROTEIN 33A (ZINC FINGER PROTEIN KOX31) (KIAA0065)(HA0946) (FRAGMENT).//1.50E-116//197aa//58%//Q06730
- C-HEMBA1001174//ADP-RIBOSYLATION FACTOR-LIKE PROTEIN 5.//6.80E-79//179aa//80%//P51646
  C-HEMBA1001197//Homo sapiens rap2 interacting protein x mRNA, complete cds.//0//1511bp//99%//AF112221
  C-HEMBA1001257//Homo sapiens mRNA 2-methylacyl-CoA racemase.//0//1672bp//99%//AJ130733
  C-HEMBA1001286//COMPLEMENT DECAY-ACCELERATING FACTOR PRECURSOR.//0.00000002//198aa//29%//Q60401
- 40 C-HEMBA1001302//Homo sapiens calcium binding protein precursor, mRNA, complete cds.//9.60E-258//682bp// 94%//AF153686
  - C-HEMBA1001351//Homo sapiens VAMP-associated protein of 33 kDa (VAP-33) mRNA, complete cds.//1.40E-133//614bp//99%//AF057358
  - C-HEMBA1001387//GTP-BINDING PROTEIN TC10.//2.90E-64//104aa//82%//P17081
- 45 C-HEMBA1001405//Drosophila melanogaster eyelid (eld) mRNA, complete cds.//5.60E-25//863bp//60%// AF053091
  - C-HEMBA1001446//Homo sapiens rap2 interacting protein x mRNA, complete cds.//9.20E-55//719bp//68%// AF112221
  - C-HEMBA1001455//Mus musculus transposon-derived Buster2 transposase-like protein gene, partial cds.//4.20E-290//2008bp//81%//AF205599
    - C-HEMBA1001476//Human DNA topoisomerase II (top2) mRNA, complete cds.//1.60E-268//1213bp//100%//
    - C-HEMBA1001510//CYCLIC-AMP-DEPENDENT TRANSCRIPTION FACTOR ATF-6 (FRAGMENT).//1.70E-16//63aa//61%//P18850
- 55 C-HEMBA1001526//PERIPLASMIC [FE] HYDROGENASE 1 (EC 1.18.99.1).//4.90E-37//399aa//29%//P29166 C-HEMBA1001569//SYNAPTOBREVIN 2 (VESICLE ASSOCIATED MEMBRANE PROTEIN 2) (VAMP-2).//2.30E-53//110aa//100%//P19065
  - C-HEMBA1001579//Homo sapiens mRNA for NS1-binding protein (NS1-BP),//0//808bp//97%//AJ012449

- C-HEMBA1001595//SEPTIN 2 HOMOLOG (FRAGMENT).//4.90E-156//348aa//83%//Q14141
- C-HEMBA1001620//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS).//1.60E-166//506aa//60%//P42803
- C-HEMBA1001635//TESTIS SPECIFIC PROTEIN A (ZINC FINGER PROTEIN TSGA).//1.60E-10//155aa//28%// Q63679
  - C-HEMBA1001651//CYTADHERENCE HIGH MOLECULAR WEIGHT PROTEIN 1 (CYTADHERENCE ACCESSORY PROTEIN 1).//6.20E-07//362aa//24%//Q50365
  - C-HEMBA1001661//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN).//4.60E-36//365aa//33%//P33450
- 10 C-HEMBA1001672//Homo sapiens methyl-CpG binding domain-containing protein MBD3 (MBD3) mRNA, complete cds.//0//1707bp//98%//AF072247
  - C-HEMBA1001675//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS9.//5.40E-09//101aa//35%//P54787
  - C-HEMBA1001714//Homo sapiens mRNA for ATPase inhibitor precursor, complete cds.//3.70E-78//200bp//
    - C-HEMBA1001723//Homo sapiens G protein beta subunit mRNA, partial cds.//3.10E-267//1212bp//99%// AF195883
    - C-HEMBA1001734//CADHERIN-11 PRECURSOR (OSTEOBLAST-CADHERIN) (OBCADHERIN) (OSF-4).// 1.10E-38//87aa//96%//P55288
- <sup>20</sup> C-HEMBA1001744//SCY1 PROTEIN.//9.90E-32//481aa//25%//P53009
  - C-HEMBA1001746//Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds.//7.60E-59//998bp//64%//AF098066
  - C-HEMBA1001804//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0// 1637bp//99%//AF125158
- C-HEMBA1001809//IMMEDIATE-EARLY PROTEIN IE180.//3.80E-11//206aa//36%//P11675
   C-HEMBA1001819//ZINC FINGER PROTEIN 184 (FRAGMENT).//2.90E-135//459aa//52%//Q99676
   C-HEMBA1001822//Mus musculus Ese2L protein mRNA, complete cds.//1.90E-235//1329bp//89%//AF132479
   C-HEMBA1001824//Homo sapiens nuclear protein NP94 mRNA, complete cds.//1.40E-199//1180bp//89%//AF159025
- 30 C-HEMBA1001847//ZINC FINGER PROTEIN 29 (ZFP-29).//7.60E-64//221aa//55%//Q07230 C-HEMBA1001866//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT).//5.70E-51//234aa//41%//Q09332
  - C-HEMBA1001869//TRITHORAX PROTEIN.//9.60E-05//166aa//27%//P20659
  - C-HEMBA1001896//DIMETHYLGLYCINE DEHYDROGENASE PRECURSOR (EC 1.5.99.2) (ME2GLYDH).//
- 9.30E-36//395aa//26%//Q63342

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- C-HEMBA1001913//GCN20 PROTEIN.//2.30E-81//158aa//50%//P43535
- C-HEMBA1001921//Homo sapiens germinal center kinase related protein kinase mRNA, complete cds.//0// 1850bp//99%//AF000145
- C-HEMBA1001967//Homo sapiens NY-REN-57 antigen mRNA, partial cds.//0//1721bp//99%//AF155114
- 40 C-HEMBA1002035//Homo sapiens BAZ1A mRNA for bromodomain adjacent to zinc finger domain 1A, complete cds.//0//2149bp//99%//AB032252
  - C-HEMBA1002092//Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds.//1.30E-271//1583bp//88%//U92703
  - C-HEMBA1002102//ANKYRIN.//4.40E-10//106aa//35%//Q02357
- 45 C-HEMBA1002139//LIM AND SH3 DOMAIN PROTEIN LASP-1 (MLN 50).//7.10E-05//51aa//49%//Q14847 C-HEMBA1002151//Rattus norvegicus p34 mRNA, complete cds.//1.10E-153//1059bp//82%//AF178669 C-HEMBA1002161//MYOSIN HEAVY CHAIN, CARDIAC MUSCLE BETA ISOFORM.//1.40E-51//180aa//56%//P79293
  - C-HEMBA1002177//TRANSCRIPTION FACTOR GATA-4 (GATA BINDING FACTOR-4).//6.00E-13//190aa//36%// P43694
  - C-HEMBA1002212//TYROSINE-PROTEIN KINASE-2 (EC 2.7.1.112) (FRAGMENT).//3.00E-17//267aa//29%// P18161
  - C-HEMBA1002215//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)].//2.20E-199//392aa//89%//P47226 C-HEMBA1002241//PROLIFERATING-CELL NUCLEOLAR ANTIGEN P120 (PROLIFERATION-ASSOCIATED
- 55 NUCLEOLAR PROTEIN P120).//3.70E-06//95aa//33%//P46087
  - C-HEMBA1002267//Sus scrofa decorin mRNA, complete cds.//1.10E-46//302bp//90%//AF125537
  - C-HEMBA1002341//P53-BINDING PROTEIN 2 (53BP2) (FRAGMENT).//3.80E-55//109aa//96%//Q62415
  - C-HEMBA1002363//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//0//

1847bp//99%//AF092563

- C-HEMBA1002417/mGHT JUNCTION PROTEIN ZO-1 (TIGHT JUNCTION PROTEIN 1).//1.00E-121//489aa// 52%//P39447
- C-HEMBA1002419//TRICHOHYALIN.//1.90E-09//299aa//24%//P22793
- C-HEMBA1002458//OVARIAN GRANULOSA CELL 13.0 KD PROTEIN HGR74.//4.20E-24//109aa//55%//Q00994
   C-HEMBA1002469//DXS8237E PROTEIN (FRAGMENT).//3.50E-50//199aa//61%//P98175
   C-HEMBA1002475//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN).//1.10E-12//285aa//31%//P17437
  - C-HEMBA1002495//LIGHT-MEDIATED DEVELOPMENT PROTEIN DET1.//6.80E-53//257aa//36%//P48732
- 10 C-HEMBA1002513//Homo sapiens mRNA for histone deacetylase-like protein (JM21).//0//2432bp//99%// AJ011972
  - C-HEMBA1002547//Homo sapiens agrin precursor mRNA, partial cds.//0//1605bp//97%//AF016903
  - C-HEMBA1002555//Homo sapiens mSin3A associated polypeptide p30 mRNA, complete cds.//5.30E-51//768bp//68%//AF055993
- 15 C-HEMBA1002569//Homo sapiens protein associated with Myc mRNA, complete cds.//6.80E-305//951bp//99%// AF075587
  - C-HEMBA1002746//DNA POLYMERASE BETA (EC 2.7.7.7).//5.00E-37//268aa//34%//P06746
  - C-HEMBA1002768//Mus musculus formin binding protein 17 mRNA, partial cds.//7.80E-237//1522bp//85%// AB011126
- 20 C-HEMBA1002770//Rattus norvegicus mRNA for TIP120, complete cds.//2.90E-176//1024bp//88%//D87671 C-HEMBA1002777//Fugu rubripes BAW (BAW) mRNA, complete cdsJ/3.40E-54//319bp//76%//AF153879 C-HEMBA1002810//Homo sapiens formin binding protein 21 mRNA, complete cds.//8.2e-314//1437bp//99%//AF071185
  - C-HEMBA1002818//Homo sapiens mRNA for fibulin-4.//2.00E-304//1383bp//99%//AJ132819
- 25 C-HEMBA1002876//HYPOTHETICAL 26.4 KD PROTEIN EEED8.8 IN CHROMOSOME n.//1.50E-44//188aa// 52%//Q09297
  - C-HEMBA1002935//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.30E-15//371aa//25%//Q05481
  - C-HEMBA1002939//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//2.00E-34//300aa//34%//P16157
  - C-HEMBA1002951//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110).//4.40E-06//324aa// 24%//P32380
  - C-HEMBA1002973//CAMP-DEPENDENT 3',5'-CYCLIC PHOSPHODIESTERASE 4B (EC 3.1.4.17) (DPDE4).// 1.20E-27//63aa//100%//P14646
- C-HEMBA1002997//CENTROMERIC PROTEIN E (CENP-E PROTEIN).//3.80E-25//534aa//24%//Q02224 C-HEMBA1002999//Rattus norvegicus lamina associated polypeptide 1C (LAP1C) mRNA, complete cds.//1.40E-171//1552bp//75%//U20286
  - C-HEMBA1003046//Homo sapiens mitochondrial processing peptidase beta-subunit mRNA,//0//1558bp//99%// AF054182
- 40 C-HEMBA1003071//INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN COMPLEX ACID LABILE CHAIN PRECURSOR (ALS).//1.30E-09//121aa//40%//P35858
  - C-HEMBA1003077//SLIT PROTEIN PRECURSOR.//2.60E-15//199aa//31%//P24014
  - C-HEMBA1003096//Mouse 19.5 mRNA, complete cds.//5.60E-117//1139bp//72%//M32486
  - C-HEMBA1003098//Homo sapiens NY-REN-6 antigen mRNA, partial cds.//6.20E-273//1253bp//99%//AF155096
- 45 C-HEMBA1003136//MANNOSE-1-PHOSPHATE GUANYLTRANSFERASE (EC 2.7.7.13) (ATP-MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE) (NDP-HEXOSE PYROPHOSPHORYLASE).//8.50E-51//221aa//33%//P41940
  - C-HEMBA1003148//Homo sapiens mRNA for dachshund protein.//0//1583bp//99%//AJ005670
  - C-HEMBA1003179//PROBABLE TRNA (5-METHYLAMINOMETHYL-2-THIOURIDYLATE)-METHYLTRANS-
- 50 FERASE (EC 2.1.1.61),//5.90E-74//134aa//53%//P44551
  - C-HEMBA1003199//Homo sapiens chromosome 5 F-box protein Fbx4 (FBX4) mRNA, complete cds.//8.50E-87// 285bp//90%//AF129534
  - C-HEMBA1003235//TROPOMYOSIN.//2.30E-06//109aa//33%//Q02088
  - C-HEMBA1003250//PROTEIN KINASE APK1A (EC 2.7.1.-).//7.20E-41//245aa//42%//Q06548
- 55 C-HEMBA1003281//POLIOVIRUS RECEPTOR PRECURSOR.//6.00E-11//239aa//32%//P32506
  - C-HEMBA1003286//Homo sapiens mRNA for beta-1,4-galactosyltransferase IV, complete cds.//5.40E-229// 1043bp//99%//AB024436
  - C-HEMBA1003291//SNF1-RELATED PROTEIN KINASE KIN10 (EC 2.7.1.-) (AKIN10)7/6.20E-28//126aa//51%//

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- C-HEMBA1003369//CENTROMERIC PROTEIN E (CENP-E PROTEIN).//2.00E-08//248aa//23%//Q02224
- C-HEMBA1003408//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (VERSION 1).// 7.80E-13//297aa//30%//P18616
- 5 C-HEMBA1003417//Homo sapiens BAG-family molecular chaperone regulator-2 mRNA, complete cds.//1.50E-255//1179bp//99%//AF095192
  - C-HEMBA1003418//TRICHOHYALIN.//8.70E-19//281aa//31%//P37709
  - C-HEMBA1003433//Homo sapiens gene for NBS1, complete cds.//0//511bp//94%//AB013139
  - C-HEMBA1003538//COMPLEMENT C1R COMPONENT PRECURSOR (EC 3.4.21.41).//2.40E-110//242aa// 58%//P00736
    - C-HEMBA1003545//INSULIN GENE ENHANCER PROTEIN ISL-2 (TSLET-2).//8.80E-189//360aa//96%//P50480 C-HEMBA1003555//NUCLEOTIDE-BINDING PROTEIN (NBP).//2.10E-68//251aa//52%//P53384
    - C-HEMBA1003560//GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-2 SUBUNIT (G GAMMA-I).//1.20E-31//71aa//100%//P16874
- 15 C-HEMBA1003568//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))(RO(SS-A)).// 7.90E-49//279aa//32%//P19474
  - C-HEMBA1003569//METASTASIS-ASSOCIATED PROTEIN MTA1.//6.90E-206//445aa//74%//Q13330
  - C-HEMBA1003581//TALIN.//4.40E-45//52aa//98%//P26039
  - C-HEMBA1003591//CHLOROPLAST 28 KD RIBONUCLEOPROTEIN PRECURSOR (28RNP).//4.40E-10// 118aa//35%//P19682
  - C-HEMBA1003615//Homo sapiens ART-4 mRNA, complete cds.//0//1713bp//99%//AB026125
  - C-HEMBA1003617//Homo sapiens ubiquitin-like product Chap1/Dsk2 mRNA, complete cds.//6.90E-178//501bp//97%//AB015344
  - C-HEMBA1003645//TIPD PROTEIN.//2.40E-10//289aa//23%//O15736
- <sup>25</sup> C-HEMBA1003662//TBX2 PROTEIN (T-BOX PROTEIN 2).//1.20E-75//151aa//99%//Q13207
  - C-HEMBA1003679//SIALIDASE (EC 3.2.1.18) (NEURAMINIDASE) (NA) (MAJOR SURFACE ANTIGEN).//1.00e-09//611aa//22%//P23253
  - C-HEMBA1003680//PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III (EC 3.4.11.-).//2.40E-92//423aa//47%//P34629
- 30 C-HEMBA1003684//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN).//2.00E-73//526aa//32%//Q13105
  - C-HEMBA1003690//HISTONE DEACETYLASE HDA1.//2.10E-59//249aa//47%//P53973
  - C-HEMBA1003742//Homo sapiens cleft lip and palate transmembrane protein 1 (CLPTM1) mRNA, complete cds.// 1.70E-44//501bp//67%//AF037339
  - C-HEMBA1003760//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN)
- 35 (MEMBER OF PAS PROTEIN 1) (MOP1) (HIF1 ALPHA).//3.70E-124//347aa//55%//Q16665
  - C-HEMBA1003773//Mus musculus signal recognition particle receptor beta subunit mRNA, complete cds.//5.80E-81//511bp//86%//U17343
  - C-HEMBA1003783//Mus musculus bromodomain-containing protein BP75 mRNA, complete cds.//1.10E-190// 1204bp//84%//AF084259
- 40 C-HEMBA1003805//Mus musculus KH domain RNA binding protein QKI-5A mRNA, complete cds.//0//988bp// 95%//AF090402
  - C-HEMBA1003836//MOB1 PROTEIN (MPS1 BINDER 1).//8.10E-31//134aa//52%//P40484
  - C-HEMBA1003866//Mus musculus semaphorin VIa mRNA, complete cds.//1.20E-105//1192bp//70%//AF030430
  - C-HEMBA1003953//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT).//3.80E-16//
- 45 89aa//46%//P16372
  - C-HEMBA1004097//Mus musculus putative transcription factor mRNA, complete cds.//8.50E-221//1188bp//78%//AF091234
  - C-HEMBA1004131//SEPTIN 2 HOMOLOG (FRAGMENT).//1.60E-166//416aa//72%//Q14141
  - C-HEMBA1004168//Homo sapiens geminin mRNA, complete cds.//3.90E-208//951 bp//99%//AF067855
- 50 C-HEMBA1004199//HYPOTHETICAL HELICASE K12H4.8 IN CHROMOSOME III.//8.40E-60//243aa//39%// P34529
  - C-HEMBA1004202//RAS-RELATED PROTEIN RAB-13.//6.20E-30//208aa//37%//P51153
  - C-HEMBA1004203//NUCLEOLAR PROTEIN NOP2.//1.50E-12//258aa//29%//P40991
  - C-HEMBA1004207//Homo sapiens leptin receptor short form (db) mRNA, complete cds.//0//1892bp//99%//U50748
- C-HEMBA1004227//Rattus norvegicus protein phosphatase 2C mRNA, complete cds.//5.70E-217//1217bp//88%// AF095927
  - C-HEMBA1004248//INSULIN-INDUCED GROWTH RESPONSE PROTEIN CL-6 (IMMEDIATE-EARLY PROTEIN CL-6).//2.00E-43//98aa//84%//Q08755

- C-HEMBA1004275//Homo sapiens PHD-finger protein (GRC5) mRNA, complete cds.//1.10E-152//1403bp//69%// AF043725
- C-HEMBA1004276//Homo sapiens AP-4 adaptor complex beta4 subunit mRNA, complete cds.//4.80E-257//738bp//99%//AF092094
- 5 C-HEMBA1004286//Homo sapiens TGF beta receptor associated protein-1 mRNA, complete cds.//0//1982bp// 99%//AF022795
  - C-HEMBA1004295//Homo sapiens NY-REN-25 antigen mRNA, partial cds.//9.40E-31//381bp//65%//AF155103 C-HEMBA1004321//ZINC FINGER PROTEIN 184 (FRAGMENT).//2.30E-93//357aa//42%//Q99676
  - C-HEMBA1004353//C-MYC BINDING PROTEIN MM-1.//3.00E-71//89aa//96%//Q99471
- 10 C-HEMBA1004354//CHL1 PROTEIN.//9.90E-26//130aa//42%//P22516 C-HEMBA1004356//H.sapiens MSSP-2 mRNA.//3.00E-243//573bp//98%//X77494

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- C-HEMBA1004389//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0// 1437bp//99%//AF125158
- C-HEMBA1004408//PEPTIDYL-PROLYL CIS-TRANS ISOMERASE 10 (EC 5.2.1.8) (PPIASE) (ROTAMASE) (CY-CLORUM N. 40) //2 205 2074 42 // (PSIA PROLYCE)
- CLOPHILIN-10).//3.20E-32//148aa//52%//P52017
  C-HEMBA1004479//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PRO-
  - TEIN).//3.10E-51//152aa//40%//Q61221
  - C-HEMBA1004499//Homo sapiens delta-tubulin mRNA, complete cds.//3.40E-92//483bp//95%//AF201333
- C-HEMBA1004509//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME,4)
  (UBIQUITOUS NUCLEAR PROTEIN HOMOLOG).//2.70E-12//200aa//28%//Q13107
  - C-HEMBA1004534//Homo sapiens gamma-filamin (ABPL) mRNA, complete cds.//1.2e-316//1445bp//99%// AF089841
  - C-HEMBA1004573//Homo sapiens mRNA for HELG protein.//2.00E-59//483bp//68%//AJ277291
- C-HEMBA1004604//Homo sapiens COP9 complex subunit 7a mRNA, complete cds.//0//1612bp//99%//AF193844
   C-HEMBA1004669//SON PROTEIN (SON3).//7.30E-17//288aa//36%//P18583
  - C-HEMBA1004697//MYOSIN HEAVY CHAIN, SMOOTH MUSCLE ISOFORM (SMMHC) (FRAGMENT).//2.90E-05//303aa//21%//P35749
  - C-HEMBA1004734//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARBIER PROTEIN) (PMA2) (10.005-201/442-21/5201/1942742)
  - LIGASE) (UBIQUTTIN CARRIER PROTEIN) (PM42).//9.90E-39//143aa//52%//P42743 C-HEMBA1004752//Homo sapiens mRNA for LAK-4p, complete cds.//4.60E-109//650bp//89%//AB002405
  - C-HEMBA1004756//Human transporter protein (g17) mRNA, complete cds.//9.10E-34//515bp//66%//U49082
  - C-HEMBA1004758//Homo sapiens transcription factor SL1 mRNA, complete cds.//2.60E-246//1249bp//94%//L39060
- C-HEMBA1004768//LINE-1 REVERSE TRANSCRIPTASE HOMOLOG.//5.40E-111//314aa//58%//P08547
   C-HEMBA1004795//CDC4-UKE PROTEIN (FRAGMENT).//3.80E-69//198aa//66%//P50851
   C-HEMBA1004847//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//8.20E-154//317aa//94%//Q00004
  - C-HEMBA1004889//Human C3f mRNA, complete cds.//6.70E-24//341aabp//26%//U72515
- 40 C-HEMBA1004929//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//2.50E-05//148aa//24%// P25386
  - C-HEMBA1004930//26S PROTEASOME SUBUNIT S5B (KIAA0072) (HA1357).//3.30E-27//65aa//100%//Q16401 C-HEMBA1004972//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEURO FILAMENT PROTEIN) (NF-H).// 0.00000096//286aa//23%//P12036
- 45 C-HEMBA1004973//ZINC-BINDING PROTEIN A337/4.10E-08//121aa//33%//Q02084
  - C-HEMBA1005009//Homo sapiens BAF53a (BAF53a) mRNA, complete cds.//0//1813bp//99%//AF041474
  - C-HEMBA1005029//Homo sapiens CGI-13 protein mRNA, complete cds.//0//1487bp//99%//AF132947
  - C-HEMBA1005047//RAS-RELATED PROTEIN RAB-24 (RAB-16).//3.40E-101//106aa//98%//P35290
  - C-HEMBA1005101//Homo sapiens SYT interacting protein SIP mRNA, complete cds.//0//2762bp//99%//
  - C-HEMBA1005201//Homo sapiens CGI-07 protein mRNA, complete cds.//0//1608bp//99%//AF132941
    C-HEMBA1005202//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//1.90E-179//361aa//95%//
  - C-HEMBA1005206//Drosophila simulans anon73Bl gene and Su(P) gene.//1.90E-11//376bp//63%//AJ250308
- 55 C-HEMBA1005219//NUCLEAR PROTEIN SNF7.//5.30E-10//189aa//25%//P39929
  - C-HEMBA1005338//Homo sapiens mRNA for matrilin-4, partial.//3.90E-241//1095bp//99%//AJ007581
  - C-HEMBA1005359//ZINC FINGER PROTEIN 137.//3.90E-85//206aa//69%//P52743
  - C-HEMBA1005367//Homo sapiens melastatin 1 (MLSN1) mRNA, complete cds.//9.00E-77//620bp//74%//

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- C-HEMBA1005394//Mus musculus pantothenate kinase 1 beta (panKlbeta) mRNA, complete cds.//3.90E-126// 1097bp//75%//AF200357
- C-HEMBA1005423//Homo sapiens cyclin-dependent kinase inhibitor (CDKN2C) mRNA, complete cds.//2.00E-213//537bp//99%//AF041248
  - C-HEMBA1005513//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-).//1.90E-129//332aa//61%//O02193 C-HEMBA1005528//CCR4-ASSOCIATED FACTOR 1 (CAF1).//3.10E-154//285aa//99%//Q60809
  - C-HEMBA1005530//Homo sapiens anaphase-promoting complex subunit 7 (APC7) mRNA, complete cds.//0// 1578bp//98%//AF191340
- 10 C-HEMBA1005548//Homo sapiens MAFB/Kreisler basic region/leucine zipper transcription factor (MAFB) mRNA, complete cds.//1.00E-220//1014bp//99%//AF134157
  - C-HEMBA1005558//NUCLEAR PROTEIN SNF7.//6.40E-16//170aa//31%//P39929
  - C-HEMBA1005576//Mus musculus mRNA for plexin 2, complete cds.//1.20E-122//870bp//82%//D86949
  - C-HEMBA1005581//Homo sapiens SLIT2 (SLIL2) mRNA, complete cds.//0//1721bp//100%//AF133270
- C-HEMBA1005582//TROPOMYOSIN 1, NON-MUSCLE ISOFORM (TROPOMYOSIN II) (CYTOSKELETAL TRO-POMYOSIN).//0.00000009//213aa//27%//P09492
  - C-HEMBA1005595//DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC).//2.30E-54//562aa//29%//P34036
  - C-HEMBA1005621//Homo sapiens Mad2-like protein mRNA, complete cds.//8.00E-211//962bp//99%//AF072933 C-HEMBA1005666//Homo sapiens mRNA for DIPB protein.//8.60E-147//685bp//99%//AJ249128
- C-HEMBA1005699//EPHRIN-B3 PRECURSOR (EPH-RELATED RECEPTOR TYROSINE KINASE LIGAND 8) (LERK-8) (EPH-RELATED RECEPTOR TRANSMEMBRANE LIGAND ELK-L3).//2.10E-37//98aa//81 %//Q15768 C-HEMBA1005737//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT).// 4.40E-17//167aa//34%//P25296
  - C-HEMBA1005815//CALPAIN, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM- ACTIVATED NEUTRAL PROTEINASE) (CANP) (MU/M-TYPE).//2.00E-36//342aa//33%//P00789
    - C-HEMBA1005931//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//5.60E-15//76aa//51%// P51522
    - C-HEMBA1005990//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//0//2371bp//100%// AF082516
- C-HEMBA1006031//Homo sapiens mRNA for putative phospholipase, complete cds.//0//1413bp//99%//AB019435
   C-HEMBA1006038//LAMININ ALPHA-5 CHAIN (FRAGMENT).//3.10E-33//81aa//64%//Q61001
  - C-HEMBA1006067//Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds.//8.20E-12//297bp//64%//AF098066
  - C-HEMBA1006130//SEL-10 PROTEIN.//0.000000043//219aa//25 %//Q93794
- 35 C-HEMBA1006158//Homo sapiens transcription factor forkhead-like 7 (FKHL7) gene, complete cds.//0//155 lbp// 99%//AF048693
  - C-HEMBA1006198//PROLINE-RICH PROTEIN MP-2 PRECURSOR.//1.90E-19//215aa//39%//P05142
  - C-HEMBA1006248//ZINC FINGER PROTEIN MFG-1 (ZINC FINGER PROTEIN 58) (FRAGMENT).//8.60E-23//151aa//37%//P16372
- 40 C-HEMBA1006253//DNA-DAMAGE-REPAIR/TOLERATION PROTEIN DRT111 PRECURSOR.//0.00000002// 62aa//53%//P42698
  - C-HEMBA1006268//Homo sapiens HQ0024c mRNA, complete cds.//3.50E-157//845bp//92%//AF073836
  - C-HEMBA1006272//RETROVIRUS-RELATED PROTEASE (EC 3.4.23.-).//1.30E-123//200aa//73%//P10265
  - C-HEMBA1006278//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-
- 45 FERASE).//1.00E-210//490aa//77%//P25500
  - C-HEMBA1006283//NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB2.//0.000000012//176aa//30%//P32505
  - C-HEMBA1006291//2-ARYLPROPIONYL-COA EPIMERASE (EC 5.-.--).//4.20E-12//215aa//23%//P70473
  - C-HEMBA1006309//Homo sapiens aspartyl aminopeptidase mRNA, complete cds.//5.30E-169//774bp//100%// AF005050
  - C-HEMBA1006310//Rattus norvegicus cytosolic sorting protein PACS-1a (PACS-1) mRNA, complete cds.//3.70E-225//1189bp//88%//AF076183
  - C-HEMBA1006344//RADIXIN.//1.50E-31//333aa//28%//P26043
  - C-HEMBA1006347//MALES-ABSENT ON THE FIRST PROTEIN (EC 2.3.1.-),//1.60E-130//332aa//62%//O02193
  - C-HEMBA1006359//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//3.50E-105//381aa//54%//P28160
    - C-HEMBA1006398//Human L1 element L1.6 putative pi 50 gene, complete cds.//2.00E-277//1729bp//85%// U93563
    - C-HEMBA1006445//Homo sapiens putative tumor supressor NOEY2 mRNA, complete cds.//1.40E-270//1224bp//

100%//U96750

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- C-HEMBA1006474//40 KD PROTEIN.//1.40E-39//292aa//34%//Q01552
- C-HEMBA1006485//PUROMYCIN-SENSITIVE AMINOPEPTIDASE (EC 3.4.11.-) (PSA).//1.90E-81//153aa//97%//P55786
- 5 C-HEMBA1006507//DIAPHANOUS PROTEIN HOMOLOG 2.//1.40E-46//316aa//32%//O60879
  - C-HEMBA1006521//3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE (EC 1.1.1.100) (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE).//4.00E-33//177aa//42%//P25716
  - C-HEMBA1006559//Mus musculus PRAJA1 (Praja1) mRNA, complete cds.//2.80E-206//1107bp//83%//U06944
- C-HEMBA1006583//Drosophila melanogaster Scribble (scrib) mRNA, complete cds.//1.70E-63//1002bp//65%//
  AF190774
  - C-HEMBA1006624//DNA/PANTOTHENATE METABOLISM FLAVOPROTEIN HOMOLOG.//0.00000069//109aa//38%//Q58323
  - C-HEMBA1006650//ARP2/3 COMPLEX 20 KD SUBUNIT (P20-ARC).//9.00E-40//113aa//82%//O15509
  - C-HEMBA1006652//60S RIBOSOMAL PROTEIN L7.//2.40E-44//206aa//47%//P14148
- C-HEMBA1006708//HYPOTHETICAL 46.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMC1-TFG2 INTERGENIC REGION.//3.30E-22//241aa//31%//P53196
  - C-HEMBA1006737//ANKYRIN, BRAIN VARIANT 2 (ANKYRIN B) (ANKYRIN, NONERYTHROID) (FRAGMENT).// 0.000000043//111aa//40%//Q01485
  - C-HEMBA1006758//Homo sapiens protocadherin beta 13 (PCDH-beta13) mRNA, complete cds.//0//1832bp//91%//AF152492
    - C-HEMBA1006807//Homo sapiens mRNA for SPOP.//5.70E-125//1109bp//75%//AJ000644
    - C-HEMBA1006877//OXYSTEROL-BINDINGPROTEIN.//2.00E-59//378aa//39%//P16258
    - C-HEMBA1006885//Homo sapiens gene for Proline synthetase associated, complete cds.//0//1467bp//96%// AB018566
- 25 C-HEMBA1006914//Human anthracycline-associated resistance ARX mRNA, complete cds.//0//1837bp//99%// U35832
  - C-HEMBA1006941//Homo sapiens PKCq-interacting protein PICOT (PICOT) mRNA, complete cds.//2.10E-271// 1234bp//99%//AF118649
  - C-HEMBA1006973//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds.//5.60E-143//740bp//94%//AF004828
  - C-HEMBA1006976//H.sapiens mRNA for Gal-beta(1-3/l-4)GlcNAc alpha-2.3-sialyltransferase.//1.90E-80//447bp//89%//X74570
  - C-HEMBA1007018//DYNEIN LIGHT INTERMEDIATE CHAIN 1, CYTOSOLIC (UC57/59) (DYNEIN LIGHT CHAIN A) (DLC-A).//2.40E-188//391aa//89%//Q90828
- C-HEMBA1007087//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT).//8.30E-27//253aai/30%//Q10568
  - C-HEMBA1007121//Homo sapiens bisphosphate 3'-nucleotidase mRNA, complete cds.//1.70E-252//1118bp//92%//AF125042
  - C-HEMBA1007151//Homo sapiens synphilin 1 mRNA, complete cds.//0//1900bp//99%//AF076929
- 40 C-HEMBA1007174//Homo sapiens epsin 2b mRNA, complete cds.//3.80E-271//642bp//99%//AF062085 C-HEMBA1007194//Homo sapiens origin recognition complex subunit 6 (ORC6) mRNA, complete cds.//0// 1588bp//99%//AF139658
  - C-HEMBA1007224//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds.//0//1590bp//99%// AF196304
- 45 C-HEMBA1007243//Chinese hamster hprt mRNA, complete cds.//2.00E-58//650bp//70%//J00060
  - C-HEMBA1007251//Homo sapiens F-box protein FBX29 (FBX29) mRNA, partial cds.//5.00E-58//330bp//95%// AF176707
  - C-HEMBA1007300//Homo sapiens 3',5'-cyclic nucleotide phosphodiesterase 10A1 (PDE10A) mRNA, splice variant 1, complete cds.//0//1519bp//99%//AF127479
- C-HEMBA1007301//COLLAGEN ALPHA 1(III) CHAIN (FRAGMENT).//6.20E-18//115aa//33%//P13941
   C-HEMBB1000036//Homo sapiens CGI-51 protein mRNA, complete cds.//0//1665bp//99%//AF151809
   C-HEMBB1000037//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//2.80E-187//
- C-HEMBB1000083//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC 2.7.1.117) (MLCK) [CONTAINS: TELOKIN].//1.90E-22//426aa//25%//P11799
  - C-HEMBB1000119//Homo sapiens ASMTL gene.//0//1891bp//99%//Y15521

1582bp//80%//AF084928

C-HEMBB1000144//GUANYLATE CYCLASE ACTIVATING PROTEIN 2 (GCAP 2) (RETINAL GUANYLYL CYCLASE ACTIVATOR PROTEIN P24).//1.40E-24//71aa//77%//P51177

- C-HEMBB1000217//Homo sapiens SUMO-1-activating enzyme E1 N subunit (SUA1) mRNA, complete cds.//0// 1038bp//99%//AF090385
- C-HEMBB1000226//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE EEEDB.5.// 2.70E-12//112aa//47%//Q09530
- <sup>5</sup> C-HEMBB1000264//CHL1 PROTEIN.//9.50E-19//104aa//45%//P22516

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- C-HEMBB1000266//HYPOTHETICAL 54.5 KD TRP-ASP REPEATS CONTAINING PROTEIN ZC302.2 IN CHRO-MOSOME V.//6.10E-09//242aa//26%//Q23256
- C-HEMBB1000317//FIBULIN-1, ISOFORM D PRECURSOR.//7.10E-62//458aa//35%//P37888
- C-HEMBB1000593//Homo sapiens transfemn receptor 2 alpha (TFR2) mRNA, complete cds.//1.30E-107//503bp//99%//AF067864
  - C-HEMBB1000631//LONGEVITY-ASSURANCE PROTEIN 1 (LONGEVITY ASSURANCE FACTOR 1).//4.10E-19//232aa//28%//P78970
  - C-HEMBB1000632//GUANINE NUCLEOTIDE RELEASING PROTEIN (GNRP).//2.20E-28//273aa//31%//P27671 C-HEMBB1000693//Homo sapiens neuroan1 mRNA, complete cds.//0//2952bp//94%//AF040723
- 15 C-HEMBB1000725//Rattus norvegicus GTPase Rab8b (Rab8b) mRNA, complete cds.//6.20E-130//692bp//93%// U53475
  - C-HEMBB1000763//Homo sapiens CGI-89 protein mRNA, complete cds.//0//1676bp//96%//AF151847
  - C-HEMBB1000781//Homo sapiens mitogen-activated protein kinase kinase kinase MEKK2 mRNA, complete cds.// 1.20E-126//613bp//97%//AF111105
- 20 C-HEMBB1000789//PUTATIVE 90.2 KD ZINC FINGER PROTEIN IN CCA1-ADK2 INTERGENIC REGION.// 5.10E-54//232aa//43%//P39956
  - C-HEMBB1000831//Homo sapiens breast cancer nuclear receptor-binding auxiliary protein (BRX) mRNA, complete cds.//5.80E-60//301bp//99%//AF126008
  - C-HEMBB1000915//SUBTILISIN-LIKE PROTEASE PACE4 PRECURSOR (EC 3.4.21.-).//1.10E-08//129aa// 31%//P29122
  - C-HEMBB1000927//Homo sapiens A-type potassium channel modulatory protein 2 (KCHIP2) mRNA, complete cds.//1.30E-126//592bp//99%//AF199598
  - C-HEMBB1000947//Homo sapiens clone HAW100 putative ribonuclease III mRNA, complete cds.//0//2292bp//99%//AF116910
- 30 C-HEMBB1000973//Mus musculus schlafen3 (Slfn3) mRNA, complete cds.//3.40E-120//580bp//67%//AF099974 C-HEMBB1000985//MIPP PROTEIN (MURINE IAP-PROMOTED PLACENTA-EXPRESSED PROTEIN).//8.60E-18//178aa//30%//P28575
  - C-HEMBB1001011//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.40E-73//230aa//45%//P51523
- C-HEMBB1001056//PROLIFERATING-CELL NUCLEOLAR ANTIGEN P120 (PROLIFERATION-ASSOCIATED NUCLEOLAR PROTEIN P120).//2.90E-19//264aa//34%//P46087
  - C-HEMBB1001058//Homo sapiens neuronal thread protein AD7c-NTP mRNA, complete cds//3.60E-52//331bp//80%//AF010144
  - C-HEMBB1001068//Homo sapiens liprin-beta2 mRNA, partial cds.//2.40E-307//1447bp//97%//AF034803
- 40 C-HEMBB1001112//Homo sapiens sec61 homolog mRNA, complete cds.//6.00E-145//961 bp//83 %//AF077032 C-HEMBB1001137//Homo sapiens mRNA for putative phospholipase, complete cds.//0//3069bp//99%//AB019435 C-HEMBB1001151//Rattus norvegicus golgi stacking protein homolog GRASP55 mRNA, complete cds.//4.20E-210//1835bp//76%//AF110267
  - C-HEMBB1001175//ANKYRIN.//7.00E-11//169aa//31%//Q02357
- C-HEMBB1001234//65 KD YES-ASSOCIATED PROTEIN (YAP65).//5.40E-93//196aa//54%//P46938 C-HEMBB1001242//Homo sapiens topoisomerase-related function protein (TRF4-2) mRNA, partial cds.//1.80E-284//713bp//100%//AF089897
  - C-HEMBB1001282//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//7.00E-43//394aa//34%//P16157
- 50 C-HEMBB1001288//COPPER HOMEOSTASIS PROTEIN CUTC.//7.80E-46//163aa//51%//P46719
  - C-HEMBB1001294//GTP-BINDING PROTEIN TC10.//1.20E-79//196aa//80%//P17081
  - C-HEMBB1001314//Mus musculus Olf-1/EBF-like-3 transcription factor (O/E-3) mRNA, complete cds.//1.30E-129//724bp//86%//U92703
- C-HEMBB1001331//Mus musculus mRNA for hepatoma-derived growth factor, complete cds, strain:BALB/c.//
  2.10E-65//458bp//79%//D63850
  - C-HEMBB1001339//DXS8237E PROTEIN (FRAGMENT).//4.60E-06//124aa//37%//P98175
  - C-HEMBB1001346//Homo sapiens phenylalanine-tRNA synthetase (FARS1) mRNA, nuclear gene encoding mitochondrial protein, complete cds.//1.10E-58//292bp//99%//AF097441

- C-HEMBB1001384//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.//0//1586bp//99%//AF100757 C-HEMBB1001429//Homo sapiens leucine aminopeptidase mRNA, complete cds.//0//1933bp//99%//AF061738 C-HEMBB1001443//Rattus norvegicus pyruvate dehydrogenase phosphatase isoenzyme 1 mRNA, complete cds.//3.00E-130//553bp//86%//AF062740
- C-HEMBB1001482//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.10E-57//941aa//27%//Q05481
   C-HEMBB1001562//CYLICIN II (MULTIPLE-BAND POLYPEPTIDE II).//1.40E-06//373aa//21%//Q28092
   C-HEMBB1001564//VACUOLAR ATP SYNTHASE SUBUNIT H (EC 3.6.1.34) (V-ATPASE H SUBUNIT) (V-AT-
- PASE M9.2 SUBUNIT) (9.2 KD MEMBRANE ACCESSORY PROTEIN).//9.60E-32//80aa//78%//O15342

  C-HEMBB1001673//Homo sapiens gene for new zinc finger protein, complete cds.//O//1919bp//99%//AB012770

  C-HEMBB1001736//EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 (EIF3 P116) (EIF3 P110).//4.60E-15//391aa//25%//P55884
  - C-HEMBB1001749//TRANSCRIPTIONAL ACTIVATOR GCN5.//1.70E-16//84aa//47%//Q03330
  - C-HEMBB1001802//Human desmin mRNA, complete cds.//0//1523bp//98%//U59167
- C-HEMBB1001831//Homo sapiens PAM COOH-terminal interactor protein 1 (PCIP1) mRNA, complete cds.//0// 1514bp//99%//AF056209
  - C-HEMBB1001839//GASTRULA ZINC FINGER PROTEIN XLCGF42.1 (FRAGMENT).//6.90E-11//87aa//35%//P18720
  - C-HEMBB1001871//BONE/CARTILAGE PROTEOGLYCAN I PRECURSOR (BIGLYCAN) (PG-S1).//5.40E-75// 241aa//48%//P47853
  - C-HEMBB1001872//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR) (CELL SURFACE GLYCOPROTEIN F4/80).//1.90E-22//210aa//27%//Q61549
  - C-HEMBB1001905//TRICHOHYALIN.//2.10E-10//268aa//27%//P37709

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- C-HEMBB1001908//Human monocytic leukaemia zinc finger protein (MOZ) mRNA, complete cds.//1.60E-131//874bp//86%//U47742
  - C-HEMBB1001915//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME 64E).//6.90E-132//561aa//50%//Q24574
  - C-HEMBB1001950//PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (EC 1.-.-.)
- 30 (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE).//1.60E-41//370aa//31%//P54304
  - C-HEMBB1002042//CYTOCHROME P450 4C1 (EC 1.14.14.1) (CYPIVC1).//2.70E-49//139aa//55%//P29981 C-HEMBB1002044//Mus musculus mRNA for vascular cadherin-2.//0//3562bp//81%//Y08715
  - C-HEMBB1002134//ZINC-FINGER PROTEIN NEURO-D4.//8.10E-56//176aa//67%//P56163
  - C-HEMBB1002193//TYROSINE-PROTEIN KINASE RECEPTOR TYRO3 PRECURSOR (TYROSINE-PROTEIN
- 35 KINASE RSE) (TYROSINE-PROTEIN KINASE DTK) (TK19-2).//8.70E-61//77aa//74%//P55144 C-HEMBB1002217//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.10E-132//399aa//44%//Q05481
  - C-HEMBB1002266//NEURONAL PROTEIN.//2.10E-46//121aa//76%//P41737
  - C-HEMBB1002342//Homo sapiens PKCq-interacting protein PICOT (PICOT) mRNA, complete cds.//1.50E-229// 1045bp//99%//AF118649
    - C-HEMBB1002442//LIN-10 PROTEIN.//9.70E-14//121aa//31%//P34692
    - C-HEMBB1002477//Human Grb2-associated binder-1 mRNA, complete cds.//7.70E-258//774bp//99%//U43885 C-HEMBB1002510//GYP7 PROTEIN.//3.10E-50//192aa//42%//P48365
    - C-HEMBB1002550//HYPOTHETICAL UOG-1 PROTEIN.//5.00E-28//266aa//33%//P27544
- 45 C-HEMBB1002600//Homo sapiens tetraspan NET-5 mRNA, complete cds.//0//1417bp//99%//AF089749 C-HEMBB1002607//Homo sapiens vitamin D3 receptor interacting protein (DRIP80) mRNA, complete cds.//2.00E-136//660bp//98%//AF105421
  - C-HEMBB1002705//Homo sapiens CGI-27 protein mRNA, complete cds.//7.80E-285//841bp//96%//AF132961 C-MAMMA1000020//H.sapiens mRNA for flavin-containing monooxygenase 5 (FMO5).//8.20E-198//868bp//99%//
  - C-MAMMA1000045//ENV POLYPROTEIN [CONTAINS: SURFACE PROTEIN GP85; MEMBRANE PROTEIN GP37].//1.90E-07//249aa//27%//P03396
  - C-MAMMA1000055//TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)].//1.50E-90//323aa//48%//P47226
- C-MAMMA1000085//PUTATIVE CYSTEINYL-TRNA SYNTHETASE C29E6.06C (EC 6.1.1.16) (CYSTEINE--TRNA LIGASE) (CYSRS).//2.10E-90//427aa//39%//Q09860
  - C-MAMMA1000173//Homo sapiens src homology 3 domain-containing protein HIP-55 mRNA, complete cds.// 2.60E-164//1044bp//87%//AF197060
  - C-MAMMA1000183//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2),//3.40E-134//359aa//63%//

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- C-MAMMA1000284//P.walti mRNA for rnp associated protein 55.//2.20E-109//864bp//76%//X99836
- C-MAMMA1000388//Homo sapiens UKLF mRNA for ubiquitous Kruppel like factor, complete cds.//0//1466bp// 99%//AB015132
- 5 C-MAMMA1000416//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III.//2.00E-30//119aa// 53%//Q09232
  - C-MAMMA1000612//Homo sapiens G protein beta subunit mRNA, partial cds.//8.30E-178//1992bp//84%// AF195883
  - C-MAMMA1000625//GYP7 PROTEIN.//2.10E-41//198aa//40%//P48365
- 10 C-MAMMA1000672//VITELLOGENIC CARBOXYPEPTIDASE PRECURSOR (EC 3.4.16.).//4.40E-33//250aa// 33%//P42660
  - C-MAMMA1000684//Homo sapiens opioid growth factor receptor mRNA, complete cds.//0//2391bp//99%// AF172451
  - C-MAMMA1000713//L-RBULOKINASE (EC 2.7.1.16).//7.70E-17//246aa//29%//P94524
- <sup>15</sup> C-MAMMA1000731//CHROMODOMAIN-HELICASE-DNA-BINDING PROTEIN 1 (CHD-1).//1.00E-77//395aa//45%//O14646
  - C-MAMMA1000734//Homo sapiens mRNA for SEC63 protein.//0//1587bp//99%//AJ011779
  - C-MAMMA1000738//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I.//9.00E-299// 1033aa//55%//P87115
- <sup>20</sup> C-MAMMA1000824//ACTIN.//6.20E-20//284aa//28%//P53500
  - C-MAMMA1000841//PUTATIVE AMIDASE (EC 3.5.1.4).//7.80E-40//101aa//54%//O27540
  - C-MAMMA1000897//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H3 PRECURSOR (TTI HEAVY CHAIN H3) (SERUM-DERIVED HYALURONAN-ASSOCIATED PROTEIN) (SHAP).//1.00E-141//576aa//37%//Q06033 C-MAMMA1000956//Homo sapiens CLDN8 gene for claudin-8.//0//1767bp//99%//AJ250711
- 25 C-MAMMA1001008//Homo sapiens aspartic-like protease mRNA, complete cds.//2.50E-276//1263bp//99%// AF117892
  - C-MAMMA1001030//LUTROPIN-CHORIOGONADOTROPIC HORMONE RECEPTOR (LH/CG-R) (LSH-R) (LUTEINIZING HOROMINE RECEPTOR) (FRAGMENT).//1.20E-26//276aa//28%//Q90674
  - C-MAMMA1001038//MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC 2.7.1.117) (MLCK) [CONTAINS: TELOKIN]//2.60E-107//190aa//95%//Q15746
  - C-MAMMA1001041//SPECTRIN BETA CHAIN, BRAIN (SPECTRIN, NON-ERYTHROID BETA CHAIN) (FODRIN BETA CHAIN) (SPTBN1).//1.60E-16//113aa//41%//Q01082
    - C-MAMMA1001059//Homo sapiens mRNA for DEAD Box Protein 5.//0//1440bp//99%//AJ237946
    - C-MAMMA1001075//Homo sapiens CGI-72 protein mRNA, complete cds.//1.30E-181//397bp//98%//AF151830
- 35 C-MAMMA1001080//Homo sapiens SNC73 protein (SNC73) mRNA, complete cds.//1.6e-312//1596bp//94%// AF067420
  - C-MAMMA1001105//OVO PROTEIN (SHAVEN BABY PROTEIN).//4.00E-49//125aa//68%//P51521 C-MAMMA1001139//SRE-2 PROTEIN.//5.80E-35//239aa//38%//O09273
  - C-MAMMA1001181//ABC1 PROTEIN HOMOLOG PRECURSOR.//1.30E-07//81aa//45%//Q92338
- 40 C-MAMMA1001198//Homo sapiens eps15R mRNA, partial cds.//0//2253bp//99%//AB015346
  - C-MAMMA1001222//EBNA-2 NUCLEAR PROTEIN.//6.60E-09//255aa//29%//P12978
  - C-MAMMA1001259//Mus musculus F-box protein FBX18 mRNA, partial cds.//2.30E-271//1414bp//89%// AF184275
  - C-MAMMA1001260//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//2.10E-52//630aa// 30%//P34537
  - C-MAMMA1001305//RHO-GTPASE-ACTIVATING PROTEIN 1 (GTPASE-ACTIVATING PROTEIN RHOGAP) (RHO-RELATED SMALL GTPASE PROTEIN ACTIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN) (P50-RHOGAP).//2.20E-98//283aa//63%//Q07960
  - C-MAMMA1001322//B-CELL GROWTH FACTOR PRECURSOR (BCGF-12 KD).//0.000000017//46aa//60%//
  - C-MAMMA1001388//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG).//1.40E-165//312aa//99%//P02750 C-MAMMA1001476//URIDINE KINASE (EC 2.7.1.48) (URIDINE MONOPHOSPHOKINASE) (FRAGMENT).//6.50E-129//260aa//92%//P52623
- C-MAMMA1001501//CALPAIN 1, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEUTRAL PROTEINASE) (CANP) (MU-TYPE).//5.70E-55//86aa//97%//P07384
  - C-MAMMA1001576//Human gamma-tubulin mRNA, complete cds.//7.50E-276//1561bp//90%//M61764
    - C-MAMMA1001627//Homo sapiens mRNA for transcription factor TBX6.//5.20E-189//871bp//99%//AJ007989
    - C-MAMMA1001633//ZINC FINGER PROTEIN 165.//6.30E-39//160aa//55%//P49910

- C-MAMMA1001679//F-ACTIN CAPPING PROTEIN BETA SUBUNIT (CAPZ).//0.00000058//29aa//100%//P47756 C-MAMMA1001730//Homo sapiens brain and nasopharyngeal carcinoma susceptibility protein NSG-x mRNA, partial cds.//0//1603bp//99%//AF095687
- C-MAMMA1001735/TUBULIN BETA-5 CHAIN (BETA-TUBULIN CLASS-V).//5.90E-240//445aa//97%//P09653
- 5 C-MAMMA1001743//Y BOX BINDING PROTEIN-1 (Y-BOX TRANSCRIPTION FACTOR).//8.50E-32//171aa// 36%//P21573
  - C-MAMMA1001751//Homo sapiens tandem pore domain potassium channel TWIK-2 (KCNK6) mRNA, complete cds.//0//2332bp//99%//AF117708
  - C-MAMMA1001754//Homo sapiens Vacuolar proton pump subunit SFD alpha isoform mRNA complete cds.//0// 1987bp//99%//AF112204
    - C-MAMMA1001768//CELL DIVISION CYCLE PROTEIN 48 HOMOLOG MJ1156.//3.80E-45//351aa//38%// Q58556
    - C-MAMMA1001771//M.musculus mRNA for semaphorin B.//2.60E-200//1272bp//79%//X85991
    - C-MAMMA1001820//Rattus norvegicus mRNA for PAG608 gene.//1.30E-198//1157bp//80%//Y13148
- 15 C-MAMMA1001837//ZINC FINGER PROTEIN 29 (ZFP-29).//2.60E-77//507aa//38%//Q07230
  - C-MAMMA1001868//TRICHOHYALIN.//2.70E-19//359aa//25%//P22793

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- C-MAMMA1002143//Homo sapiens Cdc42 effector protein 4 mRNA, complete cds.//1.70E-252//1170bp//99%//AF099664
- C-MAMMA1002170//40S RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN).//6.00E-66//157aa//70%//P15880

  C-MAMMA1002198//THIOREDOXIN PEROXIDASE 1 (THIOREDOXIN-DEPENDENT PEROXIDE REDUCTASE
  1) (THIOL-SPECIFIC ANTIOXIDANT PROTEIN) (TSA) (PRP) (NATURAL KILLER CELL ENHANCING FACTOR
  B) (NKEF-B).//5.20E-61//60aa//90%//P32119
  - C-MAMMA1002219//Rattus norvegicus rexo70 mRNA, complete cds.//1.30E-181//861bp//98%//AF032667
  - C-MAMMA1002236//TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EX-CHANGE FACTOR).//8.80E-217//310aa//86%//PP70541
- C-MAMMA1002268//Mus musculus sphingosine kinase (SPHKIa) mRNA, partial cds.//1.00E-190//1624bp//76%//
  AF068748
  - C-MAMMA1002297//Homo sapiens mRNA for Rab6 GTPase activating protein.//1.10E-214//881bp//97%//
- 30 C-MAMMA1002329//M.musculus mRNA for semaphorin B.//3.80E-45//332bp//84%//X85991 C-MAMMA1002351//Mus musculus dynactin subunit p25 (p25) mRNA, complete cds.//4.30E-119//773bp//86%// AF190795
  - C-MAMMA1002385//RIBONUCLEOPROTEIN RB97D.//1.50E-07//206aa//29%//Q02926
  - C-MAMMA1002428//LYSOSOME MEMBRANE PROTEIN II (LIMP II) (85 KD LYSOSOMAL MEMBRANE
- SIALOGLYCOPROTEIN) (LGP85) (CD36 ANTIGEN-LIKE 2).//1.10E-24//96aa//68%//Q14108
  C-MAMMA1002470//PROBABLE NH(3)-DEPENDENT NAD(\*) SYNTHETASE (EC 6.3.5.1).//1.00E-11//128aa//36%//P47623
  - C-MAMMA1002485//Homo sapiens stanniocalcin-related protein mRNA, complete cds.//0//1822bp//99%//AF098462
- 40 C-MAMMA1002524//HYPOTHETICAL 117.8 KD PROTEIN IN STE2-FRS2 INTERGENIC REGION.//1.20E-34// 337aa//31%//P43571
  - C-MAMMA1002530//Homo sapiens cytosolic phospholipase A2 gamma (cPLA2 gamma) mRNA, complete cds.// 0//1910bp//99%//AF065214
  - C-MAMMA1002573//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-
- DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//2.60E-19//666aa//23%//P08640
  - C-MAMMA1002617//ZINC FINGER PROTEIN 135.//7.60E-89//252aa7/57%//P52742
  - C-MAMMA1002619//PROBABLE UBIQUTTIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE) (UBIQUTTIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUTTINATING ENZYME).//9.50E-16//159aa//37%//Q09931
- 50 C-MAMMA1002622//VILLIN.//7.20E-35//53aa//64%//P02640
  - C-MAMMA1002637//KINESIN LIGHT CHAIN (KLC).//1.30E-198//550aa//70%//Q07866
  - C-MAMMA1002650//Mus musculus ODA-8S protein mRNA, complete cds.//5.40E-57//480bp//68%//AF194030 C-MAMMA1002655//Homo sapiens mRNA for ganglioside sialidase, complete cds.//0//1515bp//99%//AB008185
- C-MAMMA1002671//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- AC-
- 55 TIVATING ENZYME).//1.10E-45//618aa//26%//P27550
  - C-MAMMA1002699//Rattus norvegicus EH domain binding protein Epsin mRNA, complete cds.//4.3e-317// 1942bp//85%//AF018261
  - C-MAMMA1002769//Homo sapiens cell cycle progression restoration 8 protein (CPR8) mRNA, complete cds.//

- 2.20E-25//330bp//77%//AF011794
- C-MAMMA1002842//Mus musculus c-Cbl associated protein CAP mRNA, complete cds.//2.60E-58//373bp//81%// U58883
- C-MAMMA1002844//TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, NON-GREEN PLASTID PRECURSOR (CTPT).//4.90E-10//334aa//22%//P52178
  - C-MAMMA1002858//Rat cMG1 mRNA.//3.70E-238//1147bp//92%//X52590
  - C-MAMMA1002869//PINCH PROTEIN (PARTICULARY INTERESTING NEW CYS-HIS PROTEIN).//1.40E-160//305aa//85%//P48059
- C-MAMMA1002881//GLIOMA PATHOGENESIS-RELATED PROTEIN (RTVP-1 PROTEIN).//5.70E-30//214aa// 35%//P48060
  - C-MAMMA1002937//ZINC FINGER PROTEIN 135.//8.30E-99//393aa//43%//P52742
  - C-MAMMA1002972//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS27.//1.10E-05//69aa//42%//P40343
  - C-MAMMA1003011//HISTONE MACRO-H2A.1.//2.70E-123//370aa//66%//Q02874
- C-MAMMA1003013//DNA POLYMERASE BETA (EC 2.7.7.7).//7.40E-46//332aa//36%//P06746

  C-MAMMA1003035//RIBOSOMAL LARGE SUBUNIT PSEUDOURIDINE SYNTHASE C (EC 4.2.1.70) (PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE).//1.90E-13//108aa//33%//P23851

  C-MAMMA1003047//Homo sapiens protein inhibitor of activated STAT protein PIASy mRNA, complete cds.//0//
  - C-MAMMA1003047//Homo sapiens protein inhibitor of activated STAT protein PIASy mRNA, complete cds.//0/. 1533bp//99%//AF077952
- 20 C-MAMMA1003057//MD6 PROTEIN.//3.10E-225//419aa//97%//Q60584
  - C-MAMMA1003113//Mus musculus COP9 complex subunit 7a (COPS7a) mRNA, complete cds.//1.10E-234// 1178bp//86%//AF071316
  - C-MAMMA1003127//MYOSIN I ALPHA (MMI-ALPHA).//2.20E-105//217aa//89%//P46735
  - C-MAMMA1003146//Homo sapiens mRNA for GalT3 protein.//4.30E-218//996bp//99%//Y15062
- 25 C-MAMMA1003150//HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECUR-SOR.//5.00E-13//592aa//24%//P47179
  - C-MAMMA1003166//Homo sapiens MLL septin-like fusion protein (MSF) mRNA, complete cds.//3.10E-158//592bp//97%//AF123052
  - C-NT2RM1000001//D.melanogaster sap47-2 mRNA.//1.50E-10//417bp//62%//X80110
- 30 C-NT2RM1000039//HYPOTHETICAL 41.4 KD PROTEIN IN SRLQ-HYPF INTERGENIC REGION (EC 1.18.1.-) (ORF4) (ORF2).//2.90E-14//299aa//25%//P37596
  - C-NT2RM1000055//Rattus norvegicus mRNA for TIP120, complete cds.//0//3106bp//89%//D87671
  - C-NT2RM1000080//UNC-1 PROTEIN.//5.90E-25//211aa//31%//Q21190

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- C-NT2RM1000086//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//8.40E-52//364aa// 32%//P34537
  - C-NT2RM1000092//MULTIDRUG RESISTANCE PROTEIN 2 (MULTIDRUG-EFFLUX TRANSPORTER 2).// 1.00E-07//362aa//23%//P39843
  - C-NT2RM1000118//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CALCINEURIN REGULATORY SUBUNIT).//1.20E-10//150aa//28%//P87072
- C-NT2RM1000132//Homo sapiens NADH:ubiquinone oxidoreductase NDUFS6 subunit mRNA, nuclear gene encoding mitochondrial protein, complete cds.//7.80E-110//516bp//99%//AF044959
   C-NT2RM1000153//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5).//3.30E-38//469aa//27%//P49902
   C-NT2RM1000186//CALCINEURIN B SUBUNIT (PROTEIN PHOSPHATASE 2B REGULATORY SUBUNIT) (CALCINEURIN REGULATORY SUBUNIT).//1.20E-10//150aa//28%//P87072
- 45 C-NT2RM1000187//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C.//1.10E-10//94aa//47%//042643
  - C-NT2RM1000199//Homo sapiens mRNA for type I transmembrane receptor (psk-1 gene).//0//2476bp//99%// AJ245820
  - C-NT2RM1000244//Homo sapiens TRAF4 associated factor 1 mRNA, partial cds.//2.00E-126//592bp//99%// U81002
  - C-NT2RM1000252//H.sapiens E-MAP-115 mRNA.//9.70E-35//569bp//64%//X73882
  - C-NT2RM1000256//Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds.// 0//3012bp//99%//AB016789
  - C-NT2RM1000257//MAGO NASHI PROTEIN.//7.90E-69//143aa//91%//P49028
- C-NT2RM1000260//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP100 mRNA, complete cds.//0//2766bp//99%//AF055995
  - C-NT2RM1000280//VACUOLAR ATP SYNTHASE SUBUNIT D (EC 3.6.1.34) (V-ATPASE D SUBUNIT) (V- AT-PASE 28 KD ACCESSORY PROTEIN).//1.50E-106//118aa//97%//P39942

- C-NT2RM1000354//Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.//7.40E-245//2101bp//68%//AF111423
- C-NT2RM1000355//Homo sapiens transmembrane protein BRI (BRI) mRNA, complete cds.7/0//1599bp//99%// AF152462
- 5 C-NT2RM1000377//Homo sapiens dual specificity phosphatase MKP5 (MKP5) mRNA, complete cds.//3.20E-196// 1016bp//94%//AF179212
  - C-NT2RM1000388//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION.// 0.000000019//67aa//31%//P53915
  - C-NT2RM1000421//RIBONUCLEASE INHIBITOR.//4.40E-21//372aa//30%//P10775
- 10 C-NT2RM1000430//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//1.40E-185// 1486bp//81%//AF084928
  - C-NT2RM1000499//Caenorhabditis elegans mRNA for centaurin gamma 1A.//3.00E-17//927bp//58%//AJ132700 C-NT2RM1000539//Homo sapiens mRNA for Lsm5 protein.//3.00E-158//733bp//99%//AJ238097
  - C-NT2RM1000553//Homo sapiens putative glycolipid transfer protein mRNA, complete cds.//3.40E-177//814bp//99%//AF103731
  - C-NT2RM1000555//UNR PROTEIN.//0//678aa//98%//P18395

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- C-NT2RM1000563//TRANSMISSION-B LOCKING TARGET ANTIGEN S230 PRECURSOR.//0.0000068//199aa// 30%//008372
- C-NT2RM1000623//RIBONUCLEASE INHIBITOR.//4.40E-21//372aa//30%//P10775
- 20 C-NT2RM1000648//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1.-).//8.50E-75//301aa//39%//P43636 C-NT2RM1000661//Homo sapiens translation initiation factor 4e mRNA, complete cds.//5.70E-210//960bp//99%// AF038957
  - C-NT2RM1000666//DNA-BINDING PROTEIN A.//2.20E-09//165aa//34%//P16989
  - C-NT2RM1000691//Homo sapiens mRNA for PLU-1 protein.//0//3104bp//99%//AJ132440
- 25 C-NT2RM1000702//PUTATIVE SERINE/THREONINE-PROTEIN KINASE PKWA (EC 2.7.1.-).//5.60E-08//187aa// 27%//P49695
  - C-NT2RM1000742//Homo sapiens AC133 antigen mRNA, complete cds.//0//3524bp//99%//AF027208 C-NT2RM1000746//Homo sapiens polyamine modulated factor-1 (PMF1) mRNA, complete cds.//6.70E-227// 1043bp//99%//AF141310
- 30 C-NT2RM1000770//DXS6673E PROTEIN.//1.40E-39//194aa//48%//Q14202 C-NT2RM1000772//VEGETATABLE INCOMPATIBILITY PROTEIN HET-E-1.//7.30E-15//280aa//27%//Q00808 C-NT2RM1000800//Mus musculus partial mRNA for B-IND1 protein (B-indl gene).//1.10E-98//571bp//89%//797207
  - C-NT2RM1000811//Homo sapiens AC133 antigen mRNA, complete cds.//0//3524bp//99%//AF027208
- C-NT2RM1000826//UNR PROTEIN.//0//678aa//98%//P18395
   C-NT2RM1000833//Homo sapiens sec61 homolog mRNA, complete cds.//0//3541 bp//99%//AF08445 8
   C-NT2RM1000850//ANKYRIN R (ANKYRINS 2.1 AND 2.2) (ERYTHROCYTE ANKYRIN).//9.70E-42//333aa//36%//P16157
  - C-NT2RM1000852//Homo sapiens putative ATP-dependent RNA helicase ROK1 mRNA, complete cds.//0// 2206bp//99%//AF077033
    - C-NT2RM1000874//Homo sapiens death effector domain-containing testicular molecule mRNA, complete cds.// 1.40E-244//1113bp//99%//AF043733
    - C-NT2RM1000882//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//4.30E-122//1394bp//69%// AF126799
- 45 C-NT2RM1000883//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//0//5107bp//99%// AF082516
  - C-NT2RM1000885//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//1.80E-56//630aa// 30%//P34537
  - C-NT2RM1000894//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135).//0//1020aa//89%//P70700
    - C-NT2RM1000898//ACTIN, CYTOPLASMIC (ACTIN, MICRONUCLEAR).//8.90E-26//229aa//29%//P02583
      C-NT2RM1000924//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III.//1.00E-15//266aa//26%//P46577
  - C-NT2RM1001003//Homo sapiens alpha-catenin-like protein (CTNNAL1) mRNA, complete cds.//0//2230bp//99%//AF030233
    - C-NT2RM1001008//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I.//1.60E-13//119aa//36%//Q09701
    - C-NT2RM1001059//NUCLEAR POLYADENYLATED RNA-BINDING PROTEIN NAB4.//3.60E-11//180aa//28%//

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- C-NT2RM1001072//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODEESTERASE GAMMA 1 (EC 3.1.4.11) (PLC-GAMMA-1) (PHOSPHOLIPASE C-GAMMA-1) (PLC-II) (PLC-148).//8.30E-47//259aa//35%//P08487
- 5 C-NT2RM1001092//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//3.60E-115//332aa// 52%//Q05481
  - C-NT2RM1001102//Human HEM45 mRNA, complete cds.//2.30E-27//482bp//63%//U88964
  - C-NT2RM1001115//ENDOCHITINASE 2 PRECURSOR (EC 3.2.1.14).//5.60E-06//239aa//27%//P54197
  - C-NT2RM2000013//DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) (RNA
- 10 POLYMERASE III SUBUNIT 2).//2.20E-144//362aa//71%//P25167
  - C-NT2RM2000030//DYNEIN INTERMEDIATE CHAIN, CYTOSOLIC (DH IC) (CYTOPLASMIC DYNEIN INTERMEDIATE CHAIN).//0.00000043//136aa//31%//P54703
  - C-NT2RM2000092//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 8 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE 8) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 8) (DEUBIQUITINATING ENZYME 8).//
- 1.30E-36//160aa//40%//P50102
  - C-NT2RM2000191//Homo sapiens cGMP phosphodiesterase A1 (PDE9A) mRNA, complete cds.//0//1574bp// 99%//AF067223
  - C-NT2RM2000260//EXTENSIN PRECURSOR (PROLINE-RICH GLYCOPROTEIN).//3.60E-19//181aa//34%//P14918
- C-NT2RM2000322//SPERMIDINE SYNTHASE (EC 2.5.1.16) (PUTRESCINE AMINOPROPYLTRANSFERASE) (AMINOPROPYLTRANSFERASE).//8.10E-06//167aa//29%//O48660
  - C-NT2RM2000363//BREAKPOINT CLUSTER REGION PROTEIN.//1.80E-14//245aa//29%//P11274
  - C-NT2RM2000368//Homo sapiens protein kinase C-binding protein RACK7 mRNA, partial cds.//0//1506bp//99%// U48251
- 25 C-NT2RM2000371//POLYRIBONUCLEOTIDE NUCLEOTIDYLTRANSFERASE (EC 2.7.7.8) (POLYNUCLE-OTIDE//1.70E-68//419aa//36%//P50849
  - C-NT2RM2000402//ENDOSOMAL P24A PROTEIN PRECURSOR (70 KD ENDOMEMBRANE PROTEIN) (PHE-ROMONE ALPHA-FACTOR TRANSPORTER) (ACIDIC 24 KD LATE ENDOCYTIC INTERMEDIATE COMPONENT).//1.60E-54//344aa//33 %//P32802
- 30 C-NT2RM2000407//Mus musculus semaphorin VIa mRNA, complete cds.//9.70E-201//826bp//84%//AF030430 C-NT2RM2000422//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73.//1.00E-222//237aa// 89%//Q08469
  - C-NT2RM2000452//HYPOTHETICAL 63.6 KD PROTEIN IN YPT52-GCN3 INTERGENIC REGION.//1.00E-07// 157aa//28%//P36113
- 35 C-NT2RM2000469//NITROGEN PERMEASE REACTIVATOR PROTEIN (EC 2.7.1.-).//8.90E-06//377aa//24%// P22211
  - C-NT2RM2000490//SYNAPTOTAGMIN (P65).//1.80E-13//166aa//34%//P41823
  - C-NT2RM2000502//Rattus norvegicus W307 mRNA, complete cds.//1.70E-58//381bp//86%//U78304
  - C-NT2RM2000504//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//0//1673bp//99%//AF061243
- 40 C-NT2RM2000522//SKIN SECRETORY PROTEIN XP2 PRECURSOR (APEG PROTEIN).//1.30E-12//282aa// 32%//P17437
  - C-NT2RM2000566//Homo sapiens integrin alpha-7 mRNA, complete cds.//0//2519bp//96%//AF032108 C-NT2RM2000577//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS).//
- 45 C-NT2RM2000588//HISTONE DEACETYLASE HDA1.//2.80E-60//384aa//40%//P53973
  - C-NT2RM2000594//Homo sapiens DNA cytosine-5 methyltransferase 3 beta 3 (DNMT3B) mRNA, complete cds.// 0//2712bp//99%//AF156487
  - C-NT2RM2000599//Homo sapiens F-box protein Lilina (LILINA) mRNA, complete cds.//4.90E-70//838bp//69%// AF179221
- 50 C-NT2RM2000609//Homo sapiens CTL1 gene.//0//1559bp//99%//AJ245620

1.70E-187//741aa//46%//P73505

- C-NT2RM2000612//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//2.60E-106//1069bp//74%//U35776
- C-NT2RM2000624//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//4.40E-32//319aa//35%//Q08170
- 55 C-NT2RM2000691//ACTIN-LIKE PROTEIN 3 (ACTIN-2).//3.70E-142//285aa//90%//P32391
  - C-NT2RM2000714//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1).//3.80E-23//184aa//36%//Q15404
  - C-NT2RM2000718//Homo sapiens endocrine regulator mRNA, complete cds.//0//1731bp//99%//AF121141

- C-NT2RM2000735//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//2.90E-103//249aa//73%//P28160 C-NT2RM2000740//POSSIBLE GLOBAL TRANSCRIPTION ACTIVATOR SNF2L.//5.70E-53//266aa//43%//P41877
- C-NT2RM2000821//COATOMER BETA SUBUNIT (BETA-COAT PROTEIN) (BETA-COP).//9.50E-279//545aa//98%//P23514
- C-NT2RM2000951//Homo sapiens XYLB mRNA for xylulokinase, complete cds.//1.70E-200//927bp//99%//AB015046
- C-NT2RM2001035//CCR4-ASSOCIATED FACTOR 1 (CAF1).//8.20E-154//285aa//99%//Q60809
- C-NT2RM2001065//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.//0//1554bp//99%//AF100757
- 10 C-NT2RM2001100//HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III.//2.40E-15//266aa// 26%//P46577
  - C-NT2RM2001105//Drosophila melanogaster eyelid (eld) mRNA, complete cds.//1.20E-28//805bp//61%// AF053091
  - C-NT2RM2001196//PROLINE-RICH PROTEIN MP-3 (FRAGMENT).//1.30E-20//267aa//35%//P05143
- 15 C-NT2RM2001201//EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5).//1.50E-07//95aa//35%// P48724
  - C-NT2RM2001221//KALIRIN (PAM COOH-TERMINAL INTERACTOR PROTEIN 10) (P-CIP10).//3.60E-10// 177aa//32%//P97924
  - C-NT2RM2001238//GLUTAMINASE, KIDNEY ISOFORM PRECURSOR (EC 3.5.1.2) (GLS) (L-GLUTAMINE AMI-DOHYDROLASE).//1.30E-180//328aa//99%//P13264
  - C-NT2RM2001256//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR).//1.60E-166//312aa//98%// P53995
  - C-NT2RM2001324//ZYXIN.//6.80E-55//200aa//41%//Q04584
  - C-NT2RM2001345//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//2.90E-08//334aa//22%//Q00808
- 25 C-NT2RM2001424//Homo sapiens mRNA for EIB-55kDa-associated protein.//0//1621bp//99%//AJ007509 C-NT2RM2001499//LOW-AFFINITY CATIONIC AMINO ACID TRANSPORTER-2 (CAT-2) (CAT2).//7.40E-121// 437aa//57%//P52569
  - C-NT2RM2001547//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//6.90E-27//90aa//42%//P38660
- 30 C-NT2RM2001575//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)).// 4.30E-61//312aa//44%//P19474
  - C-NT2RM2001592//Rattus norvegicus rexo70 mRNA, complete cds.//3.10E-156//909bp//88%//AF032667 C-NT2RM2001605//Homo sapiens mRNA for PLU-1 protein.//0//3114bp//99%//AJ132440
  - C-NT2RM2001613//Homo sapiens sec61 homolog mRNA, complete cds.//0//2601 bp//99%//AF084458
- 35 C-NT2RM2001632//KES1 PROTEIN.//1.40E-31//342aa//34%//P35844
  - C-NT2RM2001635//NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121 (PORE MEMBRANE PROTEIN OF 121 KD) (P145).//1.20E-142//566aa//56%//P52591
  - C-NT2RM2001648//Homo sapiens sec61 homolog mRNA, complete cds.//0//2421 bp//99%//AF084458
  - C-NT2RM2001652//Homo sapiens guanine nucleotide exchange factor mRNA, complete cds.//0//2608bp//99%//
- 40 AF111162

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- C-NT2RM2001659//ZINC/CADMIUM RESISTANCE PROTEIN.//3.40E-39//161aa//34%//P20107
- C-NT2RM2001664//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA complete cds.//0// 2471bp//99%//AF044195
- C-NT2RM2001668//Homo sapiens putative WHSC1 protein (WHSC1) mRNA, alternative splice product ending in intron 11, complete cds.//6.20E-16//464bp//62%//AFQ83391
  - C-NT2RM2001670//ZINC FINGER PROTEIN 29 (ZFP-29).//6.50E-104//407aa//43%//Q07230
  - C-NT2RM2001671//Oryctolagus cuniculus sarcolemmal associated protein (SLAP1) mRNA, complete cds.//0// 1843bp//94%//U21155
  - C-NT2RM2001688//HYPOTHETICAL 33.8 KD PROTEIN C5H10.01 IN CHROMOSOME I.//4.60E-20//253aa// 30%//Q09674
  - C-NT2RM2001698//Homo sapiens XGalT-1 mRNA for galactosyltransferase I, complete cds.//6.20E-253// 1170bp//99%//AB028600
  - C-NT2RM2001700//ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC (EC 1.3.99.-) (VLCAD) (FRAGMENT).//5.70E-130//536aa//49%//P50544
- C-NT2RM2001716//Homo sapiens BPTF mRNA for bromodomain PHD finger transcription factor, complete cds.// 0//1774bp//98%//AB032251
  - C-NT2RM2001730//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE K02C4.3 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-

ZYME).//7.20E-16//381aa//27%//Q09931

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- C-NT2RM2001743//Homo sapiens cell cycle progression 2 protein (CPR2) mRNA, complete cds.//0//1498bp// 99%//AF011792
- C-NT2RM2001753//HYPOTHETICAL PROTEIN KIAA0210.//8.80E-11//119aa//36%//Q92609
- C-NT2RM2001760//Homo sapiens sec61 homolog mRNA, complete cds.//0//2379bp//99%//AF084458 C-NT2RM2001771//ZINC FINGER PROTEIN 135.//6.40E-154//394aa//64%//P52742
  - C-NT2RM2001782//Homo sapiens GDP-mannose pyrophosphorylase A (GMPPA) mRNA, complete cds.//0// 1470bp//99%//AF135422
- C-NT2RM2001785//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//0//2150bp//99%//
  AF126799
  - C-NT2RM2001803//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds.//0// 2249bp//99%//AF044195
  - C-NT2RM2001823//CHD1 PROTEIN.//1.80E-106//631aa7/39%//P32657
  - C-NT2RM2001839//Homo sapiens calumein (Calu) mRNA, complete cds.//0//2415bp//97%//AF013759
- C-NT2RM2001886//PAB-DEPENDENT POLY(A)-SPECIFIC RIBONUCLEASE SUBUNIT PAN2 (EC 3.1.13.4) (PAB1P-DEPENDENT POLY(A)-NUCLEASE).//3.00E-54//337aa//39%//P53010
  C-NT2RM2001896//CELL\_DIVISION PROTEIN ETS L//E 10E 26//20460//248///228602
  - C-NT2RM2001896//CELL DIVISION PROTEIN FTSJ.//5.10E-26//204aa//34%//P28692
  - C-NT2RM2001930//M.musculus mRNA for semaphorin G.//5.20E-135//894bp//83%//X97818
  - C-NT2RM2001935//Homo sapiens single-strand selective monofunctional uracil DNA glycosylase mRNA, complete cds.//0//1454bp//99%//AF125182
    - C-NT2RM2001936//32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION.//2.70E-27//216aa//34%// P28320
    - C-NT2RM2001950//HYPOTHETICAL 105.9 KD PROTEIN IN AAC3-RFC5 INTERGENIC REGION.//0.0000001// 212aa//23%//P38250
- C-NT2RM2001983//Homo sapiens RGS-GAIP interacting protein GIPC mRNA, complete cds.//0//1658bp//98%// AF089816
  - C-NT2RM2001989//NUCLEOLAR PROTEIN NOP4 (NUCLEOLAR PROTEIN NOP77).//1.90E-39//253aa//35%// P37838
  - C-NT2RM2001997//PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) (EC 5.3.4.1).//1.30E-10//232aa// 28%//Q12730
  - C-NT2RM2001998//HYPOTHETICAL 85.7 KD PROTEIN C13G6.03 IN CHROMOSOME L//3.10E-12//206aa// 30%//Q09782
  - C-NT2RM2002004/LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG).// 2.90E-08//83aa//44%//P40796
- 35 C-NT2RM2002014//HYPOTHETICAL 81.4 KD PROTEIN IN GREB-FEOA INTERGENIC REGION.//1.10E-89// 425aa//41%//P46837
  - C-NT2RM2002030//Homo sapiens mRNA for Glutamine:fructose-6-phosphate amidotransferase, complete cds.// 0//1959bp//99%//AB016789
  - C-NT2RM2002055//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS13.//0.00000099//338aa// 24%//Q07878
  - C-NT2RM2002088//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP).// 5.00E-62//104aa//57%//Q61990
  - C-NT2RM2002091//Drosophila melanogaster eyelid (eld) mRNA, complete cds.//7.10E-29//805bp//61 %// AF053091
- C-NT2RM2002100//Homo sapiens mRNA for ATP-dependent RNA helicase, partial.//o//1807bp//99%//AJ010840 C-NT2RM2002109//Homo sapiens glioma amplified on chromosome 1 protein (GAC1) mRNA, complete cds.//o// 1868bp//99%//AF030435
  - C-NT2RM2002128//PUTATIVE SERINE/THREONINE-PROTEIN KINASE PKWA (EC 2.7.1.-).//4.90E-13//487aa7/26%//P49695
- C-NT2RM2002142//GASTRULATION SPECIFIC PROTEIN G12.//8.00E-31//105aa//47%//P47805
  - C-NT2RM2002145//Homo sapiens erythroblast macrophage protein EMP mRNA, complete cds.//8.50E-191// 1524bp//81%//AF084928
  - C-NT2RM4000024//DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE III SUBUNIT 2).//7.10E-155//381aa//72%//P25167
- 55 C-NT2RM4000030//LAS1 PROTEIN.//5.60E-12//184aa//32%//P36146
  - C-NT2RM4000046//GOLIATH PROTEIN (G1 PROTEIN).//0.000008//112aa//31%//Q06003
  - C-NT2RM4000104//ZINC FINGER PROTEIN 135.//1.50E-81//251aa//53%//P52742
  - C-NT2RM4000139//R.norvegicus trg mRNA.//2.30E-114//1161bp//72%//X68101

- C-NT2RM4000155//THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.3) (THREONINE--TRNA LIGASE) (THRRS).//1.20E-157//321aa//61%//P26639
- C-NT2RM4000156//H.sapiens HPBRII-7 gene.//3.60E-21//785bp//60%//X67336
- C-NT2RM4000167//Homo sapiens mRNA for Chromokinesin (KIF 4 gene).//0//1946bp//99%//AJ271784
- 5 C-NT2RM4000169//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//4.80E-13//686aa//23%// P25386
  - C-NT2RM4000191//PUTATIVE ATP-DEPENDENT RNA HELICASE PL10.//9.20E-75//439aa//41%//P16381 C-NT2RM4000202//ZINC FINGER PROTEIN MOK-2 (HOK-2).//4.90E-32//170aa//41%//Q16600 C-NT2RM4000215//MAK16 PROTEIN.//1.30E-68//295aa//49%//P10962
- C-NT2RM4000229//Gallus gallus actin filament-associated protein (AFAP-110) mRNA, complete cds.//1.10E-27//633bp//64%//L20303
  C-NT2RM4000233//Mus musculus semaphorin Via mRNA, complete cds.//3.40E-231//1395bp//86%//AF030430
  C-NT2RM4000290//Human transducin-like enhancer protein (TLE3) mRNA, complete cds.//2.20E-276//1124bp//97%//M99438
- C-NT2RM4000344//Homo sapiens mRNA for ATP-dependent metalloprotease YME1L.//0//2030bp//99%// AJ132637
  C-NT2RM4000354//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN).//1.50E-21//208aa//35%//Q24371
  C-NT2RM4000356//RAS-RELATED PROTEIN RAB-17.//5.90E-80//213aa//75%//P35292
  - C-NT2RM4000386//Mus musculus ODZ3 (Odz3) mRNA, partial cds.//0//2156bp//87%//AF195418
- C-NT2RM4000421//Homo sapiens mRNA for nuclear transport receptor.//0//1730bp//99%//AJ133769
  C-NT2RM4000433//Mus musculus retinoic acid-responsive protein (Stra6) mRNA, complete cds.//4.10E-271// 2085bp//77%//AF062476
  - C-NT2RM4000457//HYPOTHETICAL 111.9 KD PROTEIN C22H10.03C IN CHROMOSOME I.//8.00E-20//393aa//24%//Q10297
- C-NT2RM4000471//Homo sapiens cysteine desulfurase (nifS) mRNA, complete cds.//0//2092bp//99%//AF097025 C-NT2RM4000486//SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONES CP3, CP4 AND CP5) [CONTAINS: BASIC PEPTIDE IB-6; PEPTIDE P-H].//4.80E-11//242aa//31%//P04280 C-NT2RM4000496//SAP1 PROTEIN.//8.30E-53//434aa//29%//P39955

- C-NT2RM4000515//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H) (FRAGMENT).//1.10E-11//394aa//24%//P16884
- C-NT2RM4000531//ZINC FINGER PROTEIN 29 (ZFP-29).//2.40E-89//389aa//43%//Q07230
  C-NT2RM4000590//RING CANAL PROTEIN (KELCH PROTEIN).//1.00E-59//595aa//28%//Q04652
  C-NT2RM4000595//PUTATIVE ADENYLATE CYCLASE REGULATORY PROTEIN.//8.70E-15//403aa//30%//P26337
- C-NT2RM4000611//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//2.90E-09//108aa//31%//Q00808 C-NT2RM4000616//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//2.70E-146//420aa//60%//P27550 C-NT2RM4000657//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III).//3.00E-68//297aa//40%//P51178
- 40 C-NT2RM4000674//HYPOTHETICAL SYMPORTER SLL13747/1.20E-28//180aa//30%//P74168 C-NT2RM4000712//Homo sapiens ubiquitin hydrolyzing enzyme I (UBH1) mRNA, partial cds.//1.00E-136//1104bp//77%//AF022789
  - C-NT2RM4000733//TRANSCRIPTION TERMINATION FACTOR RHO.//0.00000041//207aa//29%//P52154
    C-NT2RM4000734//Homo sapiens Smad- and Olf-interacting zinc finger protein mRNA, partial cds.//0//2071bp//99%//AF221712
- 99%//AF221712
  C-NT2RM4000741//Homo sapiens hSGT1 mRNA for hSgt1p, complete cds.//0//2184bp//99%//D88208
  C-NT2RM4000751//ZINC FINGER PROTEIN 184 (FRAGMENT).//3.90E-125//301aa//53%//Q99676
  C-NT2RM4000798//Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 2 mRNA, complete cds.//0//2603bp//99%//AF084521
- 50 C-NT2RM4000820//VACUOLAR ATP SYNTHASE SUBUNIT AC45 PRECURSOR (EC 3.6.1.34) (V-ATPASE AC45 SUBUNIT).//1.10E-24//138aa//44%//P40682 C-NT2RM4000857//LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG).//6.70E-22//250aa//29%//P02750 C-NT2RM4000996//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//8.00E-211//738aa//50%//Q05481
- C-NT2RM4001047//MO25 PROTEIN.//8.00E-140//333aa//80%//Q06138
  C-NT2RM4001054//Homo sapiens sec61 homolog mRNA, complete cds.//3.10E-190//1315bp//81%//AF077032
  C-NT2RM4001084//HYPOTHETICAL 105.6 KD PROTEIN C16C9.06C IN CHROMOSOME I.//0.000000032//165aa//33%//Q09820

- C-NT2RM4001092//ZINC FINGER PROTEIN GLO37/3.10E-24//265aa//33%//P38682
- C-NT2RM4001116//HYPOTHETICAL 216.3 KD PROTEIN R06F6.8 IN CHROMOSOME II.//5.90E-86//292aa// 48%//Q09417
- C-NT2RM4001140//HOMEOBOX PROTEIN MSH-D.//1.00E-11//103aa//38%//Q01704
- <sup>5</sup> C-NT2RM4001155//ADRENAL MEDULLA 50 KD PROTEIN.//4.10E-197//445aa//78%//Q27969
  - C-NT2RM4001178//PROBABLE ATP-DEPENDENT RNA HELICASE HAS1.//1.10E-48//218aa//43%//Q03532
  - C-NT2RM4001200//ZINC FINGER PROTEIN 135.//9.50E-135//375aa//60%//P52742
  - C-NT2RM4001203//Homo sapiens rab3-GAP regulatory domain mRNA, complete cds.//0//2310bp//99%//AF004828
- 10 C-NT2RM4001217//Mus musculus actin-binding protein (ENC-1) mRNA, complete cds.//3.10E-148//1445bp// 72%//U65079
  - C-NT2RM4001256//Xenopus laevis putative Zic3 binding protein mRNA, complete cds.//4.30E-55//289bp//77%// AF129131
  - C-NT2RM4001313//PHOSPHATIDYLINOSITOL 3-KINASE VPS34-UKE (EC 2.7.1.137) (PI3-KINASE) (PTDINS-3-KINASE) (PI3K).//3.50E-35//124aa//65%//P54676
  - C-NT2RM4001316//ACYL-COA DEHYDROGENASE, MEDIUM-CHAIN SPECIFIC PRECURSOR (EC 1.3.99.3) (MCAD).//2.30E-31//334aa//30%//P08503
    - C-NT2RM4001320//Homo sapiens mRNA for Neuroblastoma, complete cds.//1.80E-39//728bp//64%//D89016
- C-NT2RM4001340//UTR4 PROTEIN (UNKNOWN TRANSCRIPT 4 PROTEIN).//1.00E-28//171aa//37%//P32626
  C-NT2RM4001344//HYPOTHETICAL GTP-BINDING PROTEIN IN POP2-HOL1 INTERGENIC REGION.//8.10E-
- 30//265aa//33%//P53742 C-NT2RM4001347//Homo sapiens NY-REN-25 antigen mRNA, partial cds.//0//2300bp//99%//AF155103
  - C-NT2RM4001371//Homo sapiens IDN3 mRNA, partial cds.//0//2524bp//99%//AB019494
  - C-NT2RM4001382//Homo sapiens RanBP7/importin 7 mRNA, complete cds.//2.20E-237//1079bp//99%//
  - C-NT2RM4001411//Mus musculus Pro-rich, PH, SH2 domain-containing signaling mediator (PSM) mRNA, complete cds.//0//1962bp//87%//AF020526
  - C-NT2RM4001412//Homo sapiens nGAP mRNA, complete cds.//0//1918bp//99%//AF047711
  - C-NT2RM4001444//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE-TRNA LIGASE) (ILERS).//
- 30 1.40E-118//444aa//46%//P73505

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- C-NT2RM4001483//ZINC FINGER PROTEIN 136.//5.10E-106//357aa//55%//P52737
- C-NT2RM4001566//NECDIN.//9.80E-44//227aa//41%//P25233
- C-NT2RM4001582//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.//1.50E-284// 1082bp//90%//AF071317
- 35 C-NT2RM4001592//HYPOTHETICAL 128.5 KD HELICASE IN ATS1-TPD3 INTERGENIC REGION.//7.60E-56// 213aa//49%//P31380
  - C-NT2RM4001597//M.musculus red-1 gene./12.10E-171//1414bp//78%//X92750
  - C-NT2RM4001611//SIS2 PROTEIN (HALOTOLERANCE PROTEIN HAL3)J/2.60E-32//203aa//39%//Q12600
  - C-NT2RM4001629//MAGUK P55 SUBFAMILY MEMBER 3 (MPP3 PROTEIN) (DISCS, LARGE HOMOLOG 3).//
- 40 1.50E-93//278aa//38%//Q13368
  - C-NT2RM4001666/HYPOTHETICAL 48.6 KD PROTEIN IN ALPA-GABP INTERGENIC REGION.//2.70E-84// 410aa//42%//P37339
  - C-NT2RM4001714//SEPTIN 2 HOMOLOG (FRAGMENT).//8.90E-141//354aa//72%//Q14141
  - C-NT2RM4001731//Homo sapiens F-box protein Lilina (LILINA) mRNA, complete cds.//0//1922bp//100%//AF179221
  - C-NT2RM4001758//PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK (EC 2.7.).//4.10E-186//639aa//58%//Q05512
  - C-NT2RM4001783//ZINC FINGER PROTEIN HRX (ALL-1).//7.90E-66//311aa//35%//Q03164
- C-NT2RM4001810//AGGRECAN CORE PROTEIN PRECURSOR (CARTILAGE-SPECIFIC PROTEOGLYCAN CORE PROTEIN) (CSPCP) (CHONDROITIN SULFATE PROTEOGLYCAN CORE PROTEIN 1).//5.10E-07// 263aa//30%//P16112
  - C-NT2RM4001813//LECTIN BRA-2.//0.00000048//114aa//30%//P17346
  - C-NT2RM4001819//Human p58/GTA (galactosyltransferase associated protein kinase) mRNA, complete cds.// 8.10E-300//1395bp//98%//M37712
- 55 C-NT2RM4001823//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6)7/2.90E-55//325aa//37%//P28160 C-NT2RM4001828//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//5.90E-161//481aa//56%//P51523
  - C-NT2RM4001858//T-BOX CONTAINING PROTEIN TBX6L (FRAGMENT).//6.50E-22//126aa//46%//P79779

- C-NT2RM4001865//Homo sapiens mRNA for atopy related autoantigen CALC.//4.30E-244//1248bp//94%// Y17711
- C-NT2RM4001876//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1).//6.50E-23//184aa// 36%//Q15404
- C-NT2RM4001880//PUTATIVE DNA HELICASE II HOMOLOG (EC 3.6.1.-).//5.90E-09//268aa//26%//P47486 C-NT2RM4001930//Homo sapiens dolichyl-P-Glc:Man9GlcNAc2-PP-dolichyl glucosyltransferase (ALG6) mRNA, complete cds.//0//1930bp//99%//AF102851
  - C-NT2RM4001940//Homo sapiens timeless homolog mRNA, complete cds.//0//2087bp//99%//AF098162 C-NT2RM4001969//R.norvegicus mRNA for IP63 protein.//2.60E-261//1563bp//84%//X99330
- 10 C-NT2RM4001979//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.80E-112//457aa//47%// P51523
  - C-NT2RM4001987//NEURAL CELL ADHESION MOLECULE 1, LARGE ISOFORM PRECURSOR (N-CAM 180) [CONTAINS: N-CAM 140].//3.20E-17//281aa//30%//P16170
  - C-NT2RM4002013//HYPOTHETICAL 89.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN PMT6-PCT1
- INTERGENIC REGION.//6.90E-94//589aa//35%//P42935
  C-NT2RM4002034//Homo sapiens hiwi mRNA, partial cds.//1.90E-53//1585bp//60%//AF104260
  C-NT2RM4002062//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE) (ASPRS).//
  1.90E-31//80aa//52%//P36419

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- C-NT2RM4002063//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//0//1865bp//99%// U82267
  - C-NT2RM4002066//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP230 mRNA, complete cds.//1.50E-211//1123bp//71 %//AF117755
  - C-NT2RM4002073//Mus musculus fatty acid transport protein 3 mRNA, partial cds.//9.30E-293//1751bp//83%//AF072758
- C-NT2RM4002075//RING CANAL PROTEIN (KELCH PROTEIN).//2.80E-105//556aa//41 %//Q04652 C-NT2RM4002093//Homo sapiens neural polypyrimidine tract binding protein (PTB) mRNA, complete cds.//0//2550bp//99%//AF176085
  - C-NT2RM4002109//Homo sapiens mRNA for Chromokinesin (KIF 4 gene).//0//2572bp//99%//AJ271784 C-NT2RM4002145//SLIT PROTEIN PRECURSOR.//1.40E-09//127aa//33%//P24014
- 30 C-NT2RM4002146//Homo sapiens MAGOH mRNA, complete cds.//6.90E-70//454bp//85%//AF035940 C-NT2RM4002161//Homo sapiens laforin (EPM2A) mRNA, complete cds.//0//2671bp//99%//AF084535 C-NT2RM4002174//MRPPROTEIN.//9.10E-68//264aa//51%//P21590 C-NT2RM4002189//GLUCOAMYLASE, S1/S2\_PRECURSOR (EC. 3.2.1.3) (GLUCAN, 1.4-ALPHA, G
  - C-NT2RM4002189//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//6.20E-33//688aa//27%//P08640
- 35 C-NT2RM4002194//Mus musculus semaphorin VIa mRNA, complete cds.//5.20E-297//1753bp//87%//AF030430 C-NT2RM4002205//ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G).//3.00E-37//122aa//72%//Q07803
  - C-NT2RM4002213//Homo sapiens protein phosphatase methylesterase-1 (PME-1) mRNA, complete cds.//0// 2452bp//100%//AF157028
- C-NT2RM4002226//GTPASE ACTIVATING PROTEIN ROTUND.//3.70E-19//147aa//41%//P40809
  C-NT2RM4002251//ALPHA-1,3-MANNOSYL-GLYCOPROTEIN BETA-1,2-N-ACETYLGLUCOSAMINYLTRANS-FERASE (EC 2.4.1.101) (N-GLYCOSYLOLIGOSACCHARIDE-GLYCOPROTEIN N-ACETYLGLUCOSAMINYLTRANSFERASE I) (GNT- I) (GLCNAC-T I).//2.20E-36//320aa//38%//P27808
  C-NT2RM4002323//ANTIGEN GOR (FRAGMENT).//0.000000001//154aa//33%//P48778
- C-NT2RM4002409//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.30E-29//275aa//30%//P27095
   C-NT2RM4002438//Xenopus laevis putative Zic3 binding protein mRNA, complete cds.//1.10E-49//611 bp//70%//
  - C-NT2RM4002460//ENV POLYPROTEIN (COAT POLYPROTEIN) [CONTAINS: COAT PROTEINS GP70, GP20].//0.0000016//226aa//24%//P51515
    - C-NT2RM4002527//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//8.90E-15//366aa//27%//Q00808 C-NT2RM4002532//PROTEIN HOM1.//2.00E-16//276aa//28%//P55137
    - C-NT2RM4002558//Homo sapiens fatty acid transport protein (FATP) mRNA, complete cds.//0//1797bp//99%//AF055899
- C-NT2RM4002565//Mus musculus Sec8 mRNA, complete cds.//0//1915bp//87%//AF022962
  C-NT2RM4002571//H.sapiens mRNA for UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase (T2).// 4.60E-78//921bp//69%//X85019
  - C-NT2RM4002594//MSP1 PROTEIN HOMOLOG.//2.70E-68//236aa//58%//P54815

- C-NT2RM4002623//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA UGASE) (ASPRS).// 2.30E-101//488aa//45%//O32038
- C-NT2RP1000018//Homo sapiens mRNA for NIK, partial cds.//0//1747bp//99%//AB013385
- C-NT2RP1000035//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//1652bp//99%//AJ012449
- 5 C-NT2RP1000040//Mus musculus donson protein (Donson) mRNA, partial cds.//5.90E-150//1025bp//82%// AF193608
  - C-NT2RP1000086//H.sapiens mRNA for zinc finger protein, Hsa12.//0//1162bp//99%//X98834
  - C-NT2RP1000111//COP1 REGULATORY PROTEIN.//4.00E-116//296aa//51%//P93471
  - C-NT2RP1000130//HEPATOMA-DERIVED GROWTH FACTOR (HDGF).//4.50E-50//181aa//60%//P51859
- 10 C-NT2RP1000163//Homo sapiens cell cycle progression 2 protein (CPR2) mRNA, complete cds.//3.40E-270// 951bp//98%//AF011792
  - C-NT2RP1000202//ANKYRIN.//1.00E-25//302aa//34%//Q02357
  - C-NT2RP1000272//Mus musculus mRNA for neural specific sr protein NSSR 2, complete cds.//1.40E-267// 1155bp//87%//AB015895
- C-NT2RP1000326//Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, complete cds.//1.30E-275//1249bp//99%//AF053551
  - C-NT2RP1000333//ANTI-SILENCING PROTEIN 1.//8.70E-47//155aa//58%//P32447
  - C-NT2RP1000348//REDUCED VIABILITY UPON STARVATION PROTEIN 161.//1.70E-15//162aa//30%//P25343 C-NT2RP1000363//R.norvegicus LL5 mRNA7/7.90E-262//1175bp//83%//X74226
- C-NT2RP1000376//Homo sapiens Ca2+-independent phospholipase A2 long isoform (iPLA2) mRNA, complete cds.//0//2252bp//96%//AF102989
  - C-NT2RP1000413//MEMBRANE-ASSOCIATED PROTEIN HEM-2 (NAP1 PROTEIN).//1.90E-153//230aa//99%// P55161
  - C-NT2RP1000439//Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.//1.80E-94//1019bp//63%//AF111423
    - C-NT2RP1000443//QUINONE OXIDOREDUCTASE (EC 1.6.5.5) (NADPH:QUINONE REDUCTASE) (ZETA-CRYSTALLIN).//2.40E-10//227aa//25%//Q08257
    - C-NT2RP1000460//NUCLEAR MOVEMENT PROTEIN NUDC.//3.80E-19//149aa//36%//P17624
    - C-NT2RP1000470//PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III.//2.60E-94//
- 30 254aa//47%//P34580

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- C-NT2RP1000478//TUBULIN BETA-5 CHAIN (CLASS-V).//4.50E-240//445aa//97%//P09653
- C-NT2RP1000481//Homo sapiens antigen NY-CO-3 (NY-CO-3) mRNA, partial cds.//7.5e-315//1445bp//99%// AF039688
- C-NT2RP1000493//POSSIBLE DNA-REPAIR PROTEIN XP-E (POSSIBLE XERODERMA PIGMENTOSUM GROUP E PROTEIN) (UV-DAMAGED DNA-BINDING PROTEIN) (UV-DDB).//3.60E-30//534aa//23%//P33194 C-NT2RP1000513//Human NifU-like protein (hNifU) mRNA, partial cds.//6.50E-171//516bp//99%//U47101 C-NT2RP1000522//UBIQUTIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-
  - C-NT2RP1000522//UBIQUTIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-ZYME 1).//8.20E-83//345aa//47%//Q61068
- 40 C-NT2RP1000547//COP-COATED VESICLE MEMBRANE PROTEIN P24 PRECURSOR (FRAGMENT).//1.10E-27//193aa//35%//P49020
  - C-NT2RP1000574//HOMEOBOX PROTEIN MEIS2 (MEIS1-RELATED PROTEIN 1).//3.50E-75//151aa//94%//P97367
  - C-NT2RP1000630//NECDIN.//2.40E-44//227aa//41%//P25233
- C-NT2RP1000677//SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER (ORGANIC ANION TRANSPORTER (ORGANIC ANION TRANSPORTING POLYPEPTIDE).//1.20E-78//483aa//31%//P46721
  - C-NT2RP1000701//Homo sapiens phospholipase A2 activating protein (PLA2P) mRNA, complete cds.//0// 1687bp//99%//AF145020
  - C-NT2RP1000733//Human mRNA for GSPT1-TK protein,complete cds.//0//2057bp//99%//E14379
- C-NT2RP1000738//Homo sapiens Wolf-Hirschhorn syndrome candidate 2 protein (WHSC2) mRNA, complete cds.//0//2186bp//99%//AF101434
  - C-NT2RP1000746//Homo sapiens 60S acidic ribosomal protein PO mRNA, complete cds.//9.70E-196//901bp//99%//AF173378
  - C-NT2RP1000782//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-OPROTEIN SFA-1) (CD151 ANTIGEN).//1.20E-30//232aa//30%//O35566
    - C-NT2RP1000825//GTPASE-ACTIVATING PROTEIN RHOGAP (RHO-RELATED SMALL GTPASE PROTEIN ACTIVATOR) (CDC42 GTPASE-ACTIVATING PROTEIN) (P50-RHOGAP).//8.20E-83//334aa//50%//Q07960 C-NT2RP1000833//Homo sapiens cGMP phosphodiesterase AI (PDE9A) mRNA, complete cds.//0//1494bp//99%//

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C-NT2RP1000834//Homo sapiens alpha-methylacyl-CoA racemase mRNA, complete cds.//1.80E-176//829bp// 98%//AF047020

C-NT2RP1000856//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-OPROTEIN SFA-1) (CD151 ANTIGEN).//1.20E-30//232aa//30%//O35566

C-NT2RP1000860//Homo sapiens KL04P mRNA, complete cds.//0//1555bp//99%//AF064094

C-NT2RP1000902//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III.//5.20E-20//306aa//33%//009531

C-NT2RP1000915//AUTOANTIGEN NGP-1.//1.70E-19//343aa//25%//Q13823

- 10 C-NT2RP1000947//Human E2 ubiquitin conjugating enzyme UbcH5B (UBCH5B) mRNA, complete cds.//4.60E-105//504bp//99%//U39317
  - C-NT2RP1000954//RING CANAL PROTEIN (KELCH PROTEIN).//1.40E-23//370aa//28%//Q04652

C-NT2RP1000958//AUTOANTIGEN NGP-1.//1.40E-19//343aa//25%//Q13823

C-NT2RP1000959//Human acidic ribosomal phosphoprotein P0 mRNA, complete cds.//2.50E-236//966bp//99%//

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- C-NT2RP1000966//NUCLEOLIN (PROTEIN C23).//8.90E-299//554aa//99%//P19338
- C-NT2RP1001011//Drosophila melanogaster putative 43 kDa protein (TH1) mRNA, complete cds.//2.20E-78// 1529bp//61%//L01790
- C-NT2RP1001013//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//7.70E-253//425aa//98%// P51522
  - C-NT2RP1001033//Homo sapiens delta-tubulin mRNA, complete cds.//2.10E-285//1290bp//100%//AF201333 C-NT2RP1001073//Homo sapiens U6 snRNA-associated Sm-like protein LSm5 mRNA, complete cds.//8.10E-107//504bp//99%//AF182291
- C-NT2RP1001079//Oryctolagus cuniculus sarcosine oxidase (SOX) mRNA, complete cds.//0//2085bp//99%// U82267
- C-NT2RP1001080//PROBABLE ATP-DEPENDENT RNA HELICASE DBP9.//2.30E-116//319aa//46%//Q06218 C-NT2RP1001113//Homo sapiens CTL2 gene.//0//2790bp//98%//AJ245621
- C-NT2RP1001177//Rattus norvegicus histone macroH2A1.2 mRNA, complete cds.//5.20E-108//1278bp//69%// U79139
- 30 C-NT2RP1001185//Human isovaleryl-coA dehydrogenase (IVD) mRNA, complete cds.//1.90E-158//729bp//99%// M34192
  - C-NT2RP1001247//Homo sapiens TGF-beta type secreted signaling protein LEFTYA mRNA, complete cds.//0// 2006bp//100%//AF081513
  - C-NT2RP1001253//Homo sapiens oscillin (hLn) mRNA, complete cds.//0//2020bp//99%//AF029914
- C-NT2RP1001294//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//1.80E-38//258aa//32%//Q12024
  C-NT2RP1001302//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//1.80E-38//258aa//32%//Q12024
  C-NT2RP1001310//Homo sapiens mitochondrial carrier homolog 1 isoform a mRNA, partial cds; nuclear gene for mitochondrial product.//0//1732bp//99%//AF176006
  - C-NT2RP1001313//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//7.50E-121//1394bp//69%// AF126799
  - C-NT2RP1001361//Homo sapiens NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete cds.//6.50E-116//541bp//100%//AF070652
  - C-NT2RP1001385//HYPOTHETICAL 48.8 KD PROTEIN IN SSU81-SCS2 INTERGENIC REGION.//2.70E-22// 284aa//25%//P40074
- C-NT2RP1001395//Homo sapiens COP9 complex subunit 7a mRNA, complete cds.//0//1782bp//99%//AF210052 C-NT2RP1001410//PUTATIVE GTP-BINDING PROTEIN W08E3.3.//8.90E-141//396aa//67%//P91917 C-NT2RP1001449//Mus musculus Gng31g mRNA, complete cds.//7.20E-165//800bp//87%//AF069954 C-NT2RP1001457//Homo sapiens partial mRNA for beta-transducin family protein (putative).//1.20E-137//629bp// 100%//AJ005257
- C-NT2RP1001482//Mouse oncogene (ect2) mRNA, complete cds.//2.10E-158//755bp//86%//L11316
   C-NT2RP1001494//MALE STERILITY PROTEIN 2.//7.20E-40//261aa//27%//Q08891
   C-NT2RP1001543//MYO-INOSITOL-1-PHOSPHATE SYNTHASE (EC 5.5.1.4) (IPS).//1.60E-166//506aa//60%//P42803
- C-NT2RP1001546//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-OPROTEIN SFA-1) (CD151 ANTIGEN).//1.60E-30//232aa//30%//O35566
  - C-NT2RP1001569//SIGNAL RECOGNITION PARTICLE RECEPTOR BETA SUBUNIT (SR-BETA).//5.80E-121//271aa//89%//P47758
  - C-NT2RP1001665//CALMODUUN.//0.00000051//83aa//30%//P02594

- C-NT2RP2000006//DNAJ PROTEIN (40 KD HEAT SHOCK CHAPERONE PROTEIN) (HSP40).//9.80E-17//79aa//55%//O34136
- C-NT2RP2000008//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//2.40E-177//726aa//47%//P51523
- 5 C-NT2RP2000032//RAS SUPPRESSOR PROTEIN 1 (RSU-1) (RSP-1 PROTEIN) (RSP-1)7/1.80E-22//184aa// 34%//Q01730
  - C-NT2RP2000045//Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds.// 0//1390bp//98%//AF061749
- C-NT2RP2000054//Homo sapiens putative ring zinc finger protein NY-REN-43 antigen mRNA, complete cds.//0// 2245bp//99%//AF155109
  - C-NT2RP2000056//PROTEIN-TYROSINE PHOSPHATASE EPSILON PRECURSOR (EC 3.1.3.48) (R-PTP- EPSILON).//9.40E-16//45aa//100%//P49446
  - C-NT2RP2000067//Mus musculus ODZ3 (Odz3) mRNA, partial cds.//0//3546bp//99%//AF195418
  - C-NT2RP2000070//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN).//3.40E-51//383aa//32%//P33450
  - C-NT2RP2000076//Homo sapiens partial mRNA for polyhomeotic 2 protein (PH2 gene).//7.90E-20//265bp//73%//
  - AJ242730
    C-NT2RP2000114//Homo sapiens mRNA for GM3 synthase, complete cds.//0//2244bp//99%//AB018356
  - C-NT2RP2000126//POSSIBLE GLOBAL TRANSCRIPTION ACTIVATOR SNF2L.//2.50E-117//541aa//42%//P41877
  - C-NT2RP2000133//Homo sapiens Leman coiled-coil protein (LCCP) mRNA, complete cds.//0//1490bp//99%//AF175966
  - C-NT2RP2000147//CLATHRIN COAT ASSEMBLY PROTEIN AP47 (CLATHRIN COAT ASSOCIATED PROTEIN AP47) (GOLGI ADAPTOR AP-1 47 KD PROTEIN) (HA1 47 KD SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN
- <sup>25</sup> ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN).//4.40E-226//423aa//99%//P35585
  - C-NT2RP2000153//GAR2 PROTEIN.//9.80E-23//311aa//28%//P41891

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- C-NT2RP2000157//MLO2 PROTEIN.//2.60E-11//62aa//40%//Q09329
- C-NT2RP2000161//DIS3 PROTEIN HOMOLOG.//4.10E-35//184aa//44%//Q17632
- C-NT2RP2000183//DIHYDROPYRIMIDINASE RELATED PROTEIN-2 (DRP-2) (NEURAL SPECIFIC PROTEIN NSP60).//3.30E-16//114aa//44%//O02675
- C-NT2RP2000195//Homo sapiens androgen induced protein (AIG-1) mRNA, complete cds.//7.80E-152//704bp// 99%//AF153605
- C-NT2RP2000224//INSULIN RECEPTOR SUBSTRATE-1 (IRS-1).//0.000043//103aa//28%//P35568
- C-NT2RP2000248//UDP-N-ACETYLGLUCOSAMINE--PEPTIDE N-ACETYLGLUCOSAMINYLTRANSFERASE
- 110 KD SUBUNIT (EC 2.4.1.-) (O-GLCNAC TRANSFERASE P110 SUBUNIT).//3.40E-21//210aa//33%//P56558 C-NT2RP2000257//PUTATIVE MITOCHONDRIAL CARRIER YIL006W.//9.70E-41//278aa//36%//P40556 C-NT2RP2000258//ACTIVATOR 1 140 KD SUBUNIT (REPLICATION FACTOR C LARGE SUBUNIT) (AI 140 KD SUBUNIT) (RF-C 140 KD SUBUNIT) (ACTIVATOR 1 LARGE SUBUNIT) (DNA-BINDING PROTEIN PO-GA).// 7.10E-12//213aa//23%//P35251
- 40 C-NT2RP2000270//Human putative G-protein coupled receptor (SH120) mRNA, complete cds.//1.30E-242// 1043bp//99%//U78723
  - C-NT2RP2000288//HYPOTHETICAL 111.9 KD PROTEIN C22H10.03C IN CHROMOSOME I.//1.60E-27//576aa// 25%//Q10297
  - C-NT2RP2000297//ZINC FINGER PROTEIN 184 (FRAGMENT).//3.30E-186//256aa//60%//Q99676
- 45 C-NT2RP2000310//Human proline dehydrogenase/proline oxidase (PRODH) mRNA, complete cds.//4.30E-279//
  1193bp//99%//U82381
  - C-NT2RP2000329//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3).//2.00E-111// 226aa//92%//P08760
  - C-NT2RP2000346//Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds.//0//2331bp//99%//U83981
    - C-NT2RP2000414//Homo sapiens HnRNP F protein mRNA, complete cds.//0//1886bp//99%//L28010 C-NT2RP2000420//ZINC FINGER PROTEIN 165.//8.50E-33//155aa//52%//P49910
    - C-NT2RP2000422//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//0//1757bp//99%//AF102265
- 55 C-NT2RP2000448//KES1 PROTEIN.//8.70E-54//392aa//38%//P35844
  - C-NT2RP2000523//APOLIPOPROTEIN B MRNA EDITING PROTEIN (HEPR) (APOBEC-1).//6.00E-16//124aa//34%//P41238
  - C-NT2RP2000660//SAP1 PROTEIN.//5.20E-68//474aa//32%//P39955

- C-NT2RP2000668//SERINE/THREONINE PROTEIN KINASE PKPA (EC 2.7.1.-).//1.30E-27//349aa//32%// Q01577
- C-NT2RP2000710//ASPARTYL-TRNA SYNTHETASE (EC 6.1.1.12) (ASPARTATE--TRNA LIGASE)//2.70E-100//488aa//44%//O32038
- 5 C-NT2RP2000764//NIFS PROTEIN.//6.60E-36//252aa//42%//P12623
  - C-NT2RP2000809//Homo sapiens BAG-family molecular chaperone regulator-5 mRNA, complete cds.//0// 3347bp//99%//AF095195
  - C-NT2RP2000812//DILUTE MYOSIN HEAVY CHAIN, NON-MUSCLE (MYOSIN 5A).//5-.60E-08//179aa//29%//Q99104
- 10 C-NT2RP2000814//GELATION FACTOR (ACTIN BINDING PROTEIN 120) (ABP-120).//1.10E-07//96aa//29%// P13466
  - C-NT2RP2000816//MAGNESIUM-CHELATASE 30 KD SUBUNIT.//7.90E-08//172aa//28%//P26174
  - C-NT2RP2000842//Human lysophosphatidic acid receptor homolog mRNA, complete cds.//0//1562bp//99%// U80811
- C-NT2RP2000880//PROBABLE TRANSLATION INITIATION FACTOR IF-2.//0//694aa//99%//O60841
   C-NT2RP2000892//Rattus norvegicus db83 mRNA, complete cds.//2.90E-191//1094bp//85%//AB006135
   C-NT2RP2000931//MATRIN 3.//2.40E-289//467aa//95%//P43244
  - C-NT2RP2000943//Homo sapiens sec24D protein mRNA, complete cds.//0//2767bp//99%//AF130464
  - C-NT2RP2000965//Homo sapiens mRNA for fls353, complete cds.//0//1989bp//96%//AB024704
- 20 C-NT2RP2001070//PUTATIVE PYRIDOXAMINE 5'-PHOSPHATE OXIDASE (EC 1.4.3.5) (PNP/PMP OXIDASE).// 5.80E-46//222aa//45%//Q20939
  - C-NT2RP2001081//SYNAPTOTAGMIN IV.//4.20E-118//430aa//54%//P50232
  - C-NT2RP2001127//Homo sapiens mRNA for PLU-1 protein.//0//2514bp//99%//AJ132440
  - C-NT2RP2001168//VERPROLIN.//1.50E-09//143aa//33%//P37370
- 25 C-NT2RP2001174//GASTRULA ZINC FINGER PROTEIN XLCGF46.1 (FRAGMENT).//6.00E-10//88aa//38%// P18722
  - C-NT2RP2001233//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.00E-128//409aa//45%//Q05481
  - C-NT2RP2001245//MYOSIN HEAVY CHAIN, NONMUSCLE (CELLULAR MYOSIN HEAVY CHAIN) (NMMHC).//
  - 2.20E-10//366aa//28%//P14105 C-NT2RP2001290//BETA-SOLUBLE NSF ATTACHMENT PROTEIN (SNAP-BETA) (SNAP-ALPHA HOMOLOG)
    - (BRAIN PROTEIN 147) (FRAGMENT).//4.40E-91//179aa//99%//P28663 C-NT2RP2001295//ZINC/CADMIUM RESISTANCE PROTEIN.//8.30E-39//161aa//34%//P20107
    - C-NT2RP2001327//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PRO-
- 35 TEIN).//5.50E-116//311aa//71%//Q13829

192//581aa//54%//P93647

- C-NT2RP2001378//MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2).//2.00E-11//403aa//25%//Q02817 C-NT2RP2001392//MTTOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-).//8.40E-
- C-NT2RP2001394//Homo sapiens mRNA for SCML2 protein.//0//2068bp//99%//Y18004
- C-NT2RP2001397//Homo sapiens mRNA for cyclin B2, complete cds.//1.9e-316//1428bp//100%//AB020981 C-NT2RP2001420//Mus musculus nuclear protein NIP45 mRNA, complete cds.//9.00E-112//742bp//82%//U76759 C-NT2RP2001440//Homo sapiens mRNA for 14-3-3gamma, complete cds.//0//3712bp//99%//AB024334 C-NT2RP2001460//TRICHOHYAUN.//1.00E-14//521aa//24%//P37709
- C-NT2RP2001511//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds.//3.20E-297//2206bp// 75%//AF093097
  - C-NT2RP2001520//Homo sapiens mRNA for mitochondrial carrier protein ARALAR1.//0//2502bp//99%//Y14494 C-NT2RP2001536//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds.// 0//2326bp//99%//AF035586
  - C-NT2RP2001560//VAV2 PROTEIN.//0.00000015//219aa//27%//Q60992
- 50 C-NT2RP2001576//HYPOTHETICAL 62.2 KD PROTEIN C4G8.12C IN CHROMOSOME I.//8.20E-29//294aa// 31%//Q09837
  - C-NT2RP2001597//RYANODINE RECEPTOR, CARDIAC MUSCLE.//0.000000036//127aa//36%//P30957 C-NT2RP2001601//Homo sapiens SUMO-1-specific protease (SSP1) mRNA, complete cds.//0//1748bp//99%// AF196304
- 55 C-NT2RP2001613//MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM40 (MOM38 PROTEIN) (TRANSLO-CASE OF OUTER MEMBRANE 40 KD SUBUNIT).//6.10E-12//184aa//31%//P24391
  - C-NT2RP2001634//Homo sapiens alpha-catenin-like protein mRNA, complete cds.//0//2445bp//99%//U97067 C-NT2RP2001660//Homo sapiens putative 13 S Golgi transport complex 90kD subunit brain-specific isoform mR-

- NA, complete cds.//0//1287bp//99%//AF058718
- C-NT2RP2001663//ENOLASE (EC 4.2.1.11) (2-PHOSPHOGLYCERATE DEHYDRATASE), (2-PHOSPHO-D-GLYCERATE HYDRO-LYASE) (FRAGMENT).//1.10E-47//126aa//53%//P42897
- C-NT2RP2001740//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING ENZYME 1).//7.90E-52//220aa//44%//Q61068
  - C-NT2RP2001748//FARNESYL PYROPHOSPHATE SYNTHETASE (FPP SYNTHETASE) (FPS) (FARNESYL DIPHOSPHATE SYNTHETASE) (DIMETHYLALLYLTRANSFERASE (EC 2.5.1.1) / GERANYLTRANSTRANSFERASE (EC 2.5.1.10)) (KIAA0032).//5.40E-47//96aa/797%//P14324
- 10 C-NT2RP2001756//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.70E-49//411aa//32%// P51523
  - C-NT2RP2001839//SCY1 PROTEIN.//5.40E-32//621aa//24%//P53009
  - C-NT2RP2001869//ZINC FINGER PROTEIN 191.//7.10E-26//126aa//52%//O14754
  - C-NT2RP2001876//ALLOGRAFT INFLAMMATORY FACTOR-1 (AIF-1) (IONIZED CALCIUM BINDING ADAPTER
- <sup>15</sup> MOLECULE 1).//1.20E-45//141aa//65%//P55008

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- C-NT2RP2001883//Homo sapiens CGI-01- protein mRNA, complete cds.//0//2306bp//99%//AF132936
- C-NT2RP2001898//Human inositol polyphosphate 5-phosphatase (5ptase) mRNA, 3' end.//0//2518bp//98%// M74161
- C-NT2RP2001900//ACTIN-LIKE PROTEIN ARP5.//2.30E-38//395aa//30%//P53946
- 20 C-NT2RP2001976//Mus musculus calmodulin-binding protein SHA1 (Sha1) mRNA, complete cds.//4.70E-177// 1538bp//74%//AF062378
  - C-NT2RP2001985//Homo sapiens high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha mRNA, complete cds.//2.00E-38//435bp//67%//AF090989
  - C-NT2RP2001991//SODIUM- AND CHLORIDE-DEPENDENT TRANSPORTER NTT73.//6.50E-129//279aa//85%//Q08469
  - C-NT2RP2002025//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO).// 1.70E-47//247aa//52%//P35331
  - C-NT2RP2002046//Homo sapiens mRNA for transcription factor.//0//1664bp//99%//AJ130894
  - C-NT2RP2002058//Homo sapiens WD repeat protein WDR3 (WDR3) mRNA, complete cds.//0//2510bp//99%// AF083217
  - C-NT2RP2002066//Rattus norvegicus transmembrane receptor Unc5H2 mRNA, complete cds.//1.60E-226// 1301bp//88%//U87306
  - C-NT2RP2002078//PECANEX PROTEIN.//1.80E-09//195aa//32%//P18490
  - C-NT2RP2002079//HISTONE HI, GONADAL.//4.40E-11//214aa//34%//P02256
- C-NT2RP2002099//Homo sapiens mRNA for E1B-55kDa-associated protein.//0//33 89bp//99%//AJ007509
  C-NT2RP2002105//H.sapiens MSH-R gene for melanocyte stimulating hormone receptor.//0//1644bp//98%//
  - C-NT2RP2002124//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTE-RASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUI-
- 40 TOUS NUCLEAR PROTEIN HOMOLOG).//4.30E-44//155aa//37%//Q13107
  - C-NT2RP2002185//Homo sapiens ubiquilin mRNA, complete cds.//0//1789bp//99%//AF176069
  - C-NT2RP2002193//Homo sapiens PIAS3 mRNA for protein inhibitor of activatied STAT3, complete cds.//0// 2809bp//99%//AB021868
  - C-NT2RP2002252//Mus musculus (clone pVZmSin3A9) mSin3A9 mRNA, complete cds.//0//3118bp//91%//L38621
- 45 C-NT2RP2002256//Homo sapiens retinoic acid hydroxylase mRNA, complete cds.//0//1528bp//98%//AF005418 C-NT2RP2002270//AF-9 PROTEIN.//1.20E-07//74aa//36%//P42568
  - C-NT2RP2002312//Homo sapiens mRNA for CDS2 protein.//0//2333bp//99%//Y16521
  - C-NT2RP2002325//Homo sapiens mRNA for Pex11p, complete cds.//8.40E-254//1158bp//99%//AB015594
- C-NT2RP2002385//Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds.//4.30E-240//
  1105bp//99%//AF038958
  - C-NT2RP2002408//Homo sapiens mRNA for TOLLIP protein.//3.20E-210//1136bp//93%//AJ242972
  - C-NT2RP2002442//HESA PROTEIN.//2.80E-14//163aa//30%//P46037
  - C-NT2RP2002464//DNA CROSS-LINK REPAIR PROTEIN PSO2/SNM1.//6.50E-07//171aa//27%//P30620
  - C-NT2RP2002479//Homo sapiens mRNA for ABC transporter 7 protein, complete cds.//0//2180bp//99%// AB005289
    - C-NT2RP2002503//ZINC FINGER PROTEIN 45 (BRC1744).//4.60E-144//537aa//49%//Q02386
    - C-NT2RP2002520//Homo sapiens transcription factor RFX-B (RFXB) mRNA, complete cds.//3.70E-34//668bp//61%//AF105427

- C-NT2RP2002537//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X.//6.20E-19//288aa// 26%//Q11073
- C-NT2RP2002591//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.20E-155//562aa//50%//P51523
- C-NT2RP2002595//PROBABLE CALCIUM-BINDING PROTEIN ALG-2 (PMP41) (ALG-257).//7.50E-35//181aa//42%//P12815
   C-NT2RP2002606//Rattus norvegicus Rabin3 mRNA, complete cds.//9.20E-147//874bp//87%//U19181
   C-NT2RP2002609//2-HYDROXYMUCONIC SEMIALDEHYDE HYDROLASE (EC 3.1.1.-) (HMSH).//2.80E-08//109aa//37%//P19076
- C-NT2RP2002618//PROTEIN ARGININE N-METHYLTRANSFERASE 2 (EC 2.1.1.).//1.70E-51//326aa//38%//P55345
   C-NT2RP2002701//HYPOTHETICAL 38.1 KD PROTEIN C2F12.15C IN CHROMOSOME II.//1.90E-14//210aa//
  - 30%//O14345 C-NT2RP2002710//SH3-BINDING PROTEIN 3BP-1.//4.90E-85//489aa//43%//P55194
- C-NT2RP2002727//Rattus norvegicus tulip 2 mRNA, complete cds.//3.50E-74//727bp//72%//AF041107
   C-NT2RP2002741//Homo sapiens mRNA for Neuroblastoma, complete cds.//9.90E-54//964bp//64%//D89016
   C-NT2RP2002862//60S ACIDIC RIBOSOMAL PROTEIN P0 (LIGHT-INDUCED 34 KD PROTEIN).//8.80E-10//203aa//27%//P29764
  - C-NT2RP2002880//GLUCOSE REPRESSION MEDIATOR PROTEIN.//0.000039//206aa//23%//P14922
- C-NT2RP2002928//Homo sapiens pre-mRNA splicing factor (PRP17) mRNA, complete cds.//1.90E-136//623bp// 100%//AF038392
  - C-NT2RP2002929/HYPOTHETICAL 46.2 KD TRP-ASP REPEATS CONTAINING PROTEIN D2013.2 IN CHRO-MOSOME II.//4.10E-87//395aa//40%//Q18964
  - C-NT2RP2002939//ZINC FINGER PROTEIN 136.//5.40E-70//282aa//42%//P52737
- C-NT2RP2002959//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2).//4.60E-80//147aa//100%//P51669 C-NT2RP2002986//30S RIBOSOMAL PROTEIN S10.//1.00E-08//98aa//36%//P10129 C-NT2RP2002986//Homo sapiens mRNA for Kelch motif containing protein, complete cds.//0//2209bp//99%//AB026190
- 30 C-NT2RP2002993//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2,7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135).//0//716aa//91%//P70700 C-NT2RP2003000//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PROTEIN).//L90E-11//132aa//38%//Q13829
  - C-NT2RP2003121//Mus musculus enhancer of polycbmb (Epc1) mRNA, complete cds.//2.30E-82//642bp//68%// AF079765
    - C-NT2RP2003125//RING CANAL PROTEIN (KELCH PROTEIN).//2.40E-38//539aa//25%//Q04652 C-NT2RP2003137//UBIQUITIN.//0.000026//70aa//30%//P13117
    - C-NT2RP2003157//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//1.30E-13//185aa//38%//Q08170
- 40 C-NT2RP2003158//Homo sapiens mRNA for proteasome subunit p58, complete cds.//0//2091bp//99%//D67025 C-NT2RP2003164//Homo sapiens mRNA for protein kinase.//0//2313bp//99%//AJ132545 C-NT2RP2003177//Homo sapiens recombination and sister chromatid cohesion protein homolog (hrec8) mRNA, partial cds.//0//1641bp//99%//AF006264
  - C-NT2RP2003228//H.sapiens Pl-Cdc21 mRNA.//0//2870bp//98%//X74794

- 45 C-NT2RP2003230//Rattus norvegicus endo-alpha-D-mannosidase (Enman) mRNA, complete cds.//2.60E-186// 1551bp//77%//AF023657
  - C-NT2RP2003243//Homo sapiens partial mRNA for putative p621 protein which interacts with transcription factor Sp1.//0//1544bp//99%//AJ242978
  - C-NT2RP2003265//Homo sapiens CGI-53 protein mRNA, complete cds.//0//1580bp//99%//AF151811
- C-NT2RP2003272//Homo sapiens ubiquilin mRNA, complete cds.//0//1789bp//99%//AF176069
  C-NT2RP2003277//NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT SUPPRESSOR 1).//1.90E-16//145aa//43%//P30771
  C-NT2PP2003286//PPOPARIE FINA 21 TERMINAL DIJOSPIJATE CVCI ASE (FO.S. 5.4.4)/PNA 21 PLIOSPIJATE
  - C-NT2RP2003286//PROBABLE RNA 3'-TERMINAL PHOSPHATE CYCLASE (EC 6.5.1.4) (RNA-3'- PHOSPHATE CYCLASE) (RNA CYCLASE).//4.20E-88//374aa//47%//Q23400
- C-NT2RP2003295//Homo sapiens RMP mRNA for RPB5 meidating protein, complete cds.//0//1526bp//99%// AB006572
  - C-NT2RP2003307//KINESIN LIGHT CHAIN (KLC).//2.20E-199//550aa//70%//Q07866
  - C-NT2RP2003308//CROOKED NECK PROTEIN.//5.40E-244//622aa//67%//P17886

- C-NT2RP2003329//PUTATIVE ADENYLATE CYCLASE REGULATORY PROTEIN.//3.60E-14//332aa//32%// P26337
- C-NT2RP2003347//BREAST CANCER TYPE 1 SUSCEPTIBILITY PROTEIN HOMOLOG.//0.000022//261aa// 24%//P48754
- 5 C-NT2RP2003391//Homo sapiens mRNA for nuclear transport receptor.//0//1509bp//99%//AJ133769 C-NT2RP2003394//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//5.50E-13//302aa//26%// P25386
  - C-NT2RP2003401//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-ZYME 1).//9.60E-78//346aa//43%//Q61068
  - C-NT2RP2003433//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.//5.00E-131//269aa//91%// P38378
    - C-NT2RP2003466//Homo sapiens delta-6 fatty acid desaturase mRNA, complete cds.//0//2194bp//99%//AF126799
- C-NT2RP2003480//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0//3012bp// 99%//AF125158
  - C-NT2RP2003506//NADPH-CYTQCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR).//5.40E-14//106aa//46%//P04175
  - C-NT2RP2003513//Homo sapiens mRNA for paralemmin.//0//2137bp//97%//Y14770

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- 20 C-NT2RP2003517//Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds.//0//1746bp// 95%//M12783
  - C-NT2RP2003522//Homo sapiens zinc finger DNA binding protein 99 (ZNF281) mRNA, complete cds.//0//1764bp//99%//AF125158
  - C-NT2RP2003543//HYPOTHETICAL TRNA/RRNA METHYLTRANSFERASE SLR1673 (EC 2.1.1.-).//1.70E-17// 148aa//34%//P74261
  - C-NT2RP2003564//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)).// 2.10E-59//270aa//46%//P19474
  - C-NT2RP2003596//Mus musculus Fas-apoptosis inhibitory molecule (Faim) mRNA, complete cds.//4.80E-82//530bp//85%//AF130367
- 30 C-NT2RP2003604//Homo sapiens alpha-catenin-like protein (CTNNAL1) mRNA, complete cds.//0//2442bp//99%// AF030233
  - C-NT2RP2003643//Mus musculus mRNA for CMP-N-acetylneuraminic acid synthetase.//9.40E-243//1624bp//82%//AJ006215
  - C-NT2RP2003702//Homo sapiens 17 beta-hydroxysteroid dehydrogenase type VII (HSD17B7) mRNA, complete cds.//2.1e-313//978bp//99%//AF098786
  - C-NT2RP2003704//Homo sapiens mRNA for ATP-dependent metalloprotease YME1L.//1.80E-72//350bp//100%//AJ132637
  - C-NT2RP2003713//Homo sapiens ubiquitin-specific protease 3 (USP3) mRNA, complete cds.//0//2018bp//99%//AF073344
- 40 C-NT2RP2003714//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//5.40E-29//85aa// 72%//Q05481
  - C-NT2RP2003737//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 2).//1.70E-75//147aa//93%//P51669
- C-NT2RP2003760//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).//0//869aa// 80%//P53620
  - C-NT2RP2003781//HYPOTHETICAL 36.7 KD PROTEIN AH6.2 IN CHROMOSOME II.//5.50E-63//253aa//50%//Q09201
  - C-NT2RP2003840//HYPOTHETICAL 48.1 KD PROTEIN B0403.2 IN CHROMOSOME X.//3.70E-21//137aa// 43%//Q11076
- 50 C-NT2RP2003857//MYOTROPHIN (V-1 PROTEIN) (GRANULE CELL DIFFERENTIATION PROTEIN).// 0.00000016//117aa//29%//Q91955
  - C-NT2RP2003871//Homo sapiens transposon-derived Buster1 transposase-like protein gene, complete cds.//0// 2807bp//99%//AF205601
  - C-NT2RP2003912//SERINE/THREONINE-PROTEIN KINASE NEK1 (EC 2.7.1.-) (NIMA-RELATED PROTEIN KINASE 1).//6.10E-183//387aa//87%//P51954
    - C-NT2RP2003952//AMINOPEPTIDASE B (EC 3.4.11.6) (ARGINYL AMINOPEPTIDASE) (ARGININE AMINOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV) (AP-B).//1.50E-23//200aa//30%//O09175
    - C-NT2RP2003981//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS8.//1.40E-16//664aa7/20%//

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- C-NT2RP2004013//TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3).// 2.30E-53//141aa//78%//P20290
- C-NT2RP2004041//SYNAPSINS IA AND B.//0.00000074//159aa//32%//P17599
- 5 C-NT2RP2004066//Mus musculus Msx2 interacting nuclear target protein mRNA, complete cds.//2.70E-288// 1994bp//81%//AF156529
  - C-NT2RP2004098//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE).//5.40E-30//319aa//31%//Q01513
  - C-NT2RP2004170//Homo sapiens mRNA for transducin (beta) like 1 protein.//1.10E-138//1236bp//74%//Y12781
- 10 C-NT2RP2004187//ZINC FINGER PROTEIN 38 (ZFP-38) (CTFIN51) (TRANSCRIPTION FACTOR RU49).// 5.60E-31//424aa//28%//Q07231
  - C-NT2RP2004194//Rattus norvegicus Golgi SNARE GS15 mRNA, complete cds.//3.80E-52//397bp//82%// AF003998
  - C-NT2RP2004232//Homo sapiens EPK2 mRNA for serine/threonine kinase, complete cds.//0//2272bp//99%//AR015982
  - C-NT2RP2004239//Homo sapiens lok mRNA for protein kinase, complete cds.//0//3044bp//99%//AB015718 C-NT2RP2004242//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H).// 9.90E-12//427aa//26%//P19246
  - C-NT2RP2004245//Mus musculus pantothenate kinase 1 beta (panKlbeta) mRNA, complete cds.//6.40E-117// 1122bp//72%//AF200357
  - C-NT2RP2004270//PROTEIN PTM1 PRECURSOR.//1.40E-16//334aa//24%//P32857
  - C-NT2RP2004366//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS 13.//1.30E-51//505aa// 29%//Q07878
  - C-NT2RP2004389//PROBABLE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN S9 PRECURSOR.//9.30E-15// 126aa//39%//P38120
  - C-NT2RP2004392//MNN4 PROTEIN7/1.40E-11//143aa//27%//P36044
  - C-NT2RP2004396//Homo sapiens mRNA for activator of S phase Kinase, complete cds.//5.40E-243//1108bp//99%//AB028069
  - C-NT2RP2004425//Mus musculus axotrophin mRNA, complete cds.//0//2321bp//86%//AF155739
- C-NT2RP2004476//Homo sapiens cyclin L ania-6a mRNA, complete cds.//0//2075bp//99%//AF180920
  C-NT2RP2004538//Mus musculus kinesin-like protein KIF1B (Kif1b) mRNA, complete cds.//0//1387bp//86%//
  - C-NT2RP2004568//PUTATIVE ATP-DEPENDENT RNA HELICASE C30D11.03.//3.00E-117//625aa//40%// Q09903
- 35 C-NT2RP2004587//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M).// 7.30E-07//352aa//23%//P07197
  - C-NT2RP2004655//Homo sapiens mRNA for leucine rich protein.//8.50E-233//1061bp//99%//AJ006291
  - C-NT2RP2004681//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H).// 2.60E-07//426aa//23%//P19246
- 40 C-NT2RP2004689//HYPOTHETICAL 192.5 KD PROTEIN C6G9.10C IN CHROMOSOME I.//5.60E-64//616aa// 33%//Q92355
  - C-NT2RP2004710//Mus musculus formin binding protein 30 mRNA, complete cds.//1.50E-280//1464bp//85%// U40750  $\cdot$
  - C-NT2RP2004732//NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M).// 7.30E-07//352aa//23%//P07197
    - C-NT2RP2004768//SERINE/THREONINE-PROTEIN KINASE NRK1 (EC 2.7.1.-) (N-RICH KINASE 1).//1.30E-26//190aa//41%//P38692
    - C-NT2RP2004791//PUTATIVE LEUCYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.4) (LEUCINE-- TRNA LIGASE) (LEURS).//9.50E-73//153aa//59%//Q10490
- C-NT2RP2004799//PROBABLE SUCCINYL-COA LIGASE [GDP-FORMING], BETA-CHAIN PRECURSOR (EC
   6.2.1.4) (SUCCINYL-COA SYNTHETASE, BETA CHAIN) (SCS-BETA).//3.70E-135//414aa//62%//P53588
   C-NT2RP2004816//H58 PROTEIN.//9.00E-173//327aa//98%//P40336
  - C-NT2RP2004920//TRANSCRIPTIONAL REGULATOR ATRX (X-LINKED NUCLEAR PROTEIN) (HETERO-CHROMATIN PROTEIN 2) (HP1 ALPHA-INTERACTING PROTEIN) (HP1-BP38 PROTEIN).//4.20E-09//804aa//22%//Q61687
  - C-NT2RP2004933//Homo sapiens mRNA for ZIP-kinase, complete cds.//0//2103bp//99%//AB007144 C-NT2RP2004959//P54 PROTEIN PRECURSOR.//0.00000095//297aa//20%//P13692
  - C-NT2RP2004961//Rattus norvegicus KRAB/zinc finger suppressor protein 1 (KS1) mRNA, complete cds.//1.00E-

228//1666bp//75%//U56732

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- C-NT2RP2004978//ACTIN-LIKE PROTEIN ARP8.//3.30E-47//353aa//30%//Q12386
- C-NT2RP2005003//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)).// 1.80E-99//376aa//43%//P19474
- C-NT2RP2005012//Homo sapiens mRNA for SEC63 protein.//0//1693bp//99%//AJ011779 C-NT2RP2005037//ANTI-SILENCING PROTEIN 1.//3.30E-47//155aa//59%//P32447 C-NT2RP2005038//DNA NUCLEOTIDYLEXOTRANSFERASE (EC 2.7.7.31) (TERMINAL ADDITION ENZYME) (TERMINAL DEOXYNUCLEOTIDYLTRANSFERASE) (TERMINAL TRANSFERASE).//4.00E-91//218aa//44%//Q92089
- C-NT2RP2005116//PUTATIVE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 ALPHA SUBUNIT (EIF-3 ALPHA).//2.00E-173//273aa//57%//P34466
  - C-NT2RP2005126//H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein).//0//2388bp//98%// X98743
  - C-NT2RP2005139//2-5A-DEPENDENT RIBONUCLEASE (EC 3.1.26.-) (2-5A-DEPENDENT RNAASE) (RNASE L) (RIBONUCLEASE 4) (FRAGMENT).//0.000000022//139aa//35%//Q05921
    - C-NT2RP2005144//Homo sapiens tubby like protein 3 (TULP3) mRNA, complete cds.//0.00E-01//1437bp//98%// AF045583
    - C-NT2RP2005162//Homo sapiens aspartyl aminopeptidase mRNA, complete cds.//0//1615bp//99%//AF005050 C-NT2RP2005168//Homo sapiens mRNA for E1B-55kDa-associated protein.//0//2769bp//98%//AJ007509
- 20 C-NT2RP2005204//Homo sapiens SUMO-1-activating enzyme E1N subunit (SUA1) mRNA, complete cds.//0// 1262bp//99%//AF090385
  - $C-NT2RP2005239//Homo\ sapiens\ cysteine\ desulfurase\ (nifS)\ mRNA,\ complete\ cds.//0//2087bp//99\%//AF097025$   $C-NT2RP2005276//Homo\ sapiens\ mRNA\ for\ Acyl-CoA\ synthetase\ 3,\ complete\ cds.//0/2122bp//99\%//D89053$
  - C-NT2RP2005288//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds.//0//2992bp//99%// AF060219
  - C-NT2RP2005315//Homo sapiens meningioma-expressed antigen 5 (MEA5) mRNA, partial cds.//1.90E-170//780bp//100%//AF036144
  - C-NT2RP2005325//Homo sapiens LIM-homeodomain protein HLHX2 (LHX2) mRNA, complete cds.//0//1643bp// 99%//AF124735
- <sup>30</sup> C-NT2RP2005336//TRICHOHYALIN://5.40E-10//545aa//22%//P37709
  - C-NT2RP2005344//PROBABLE CALCIUM-TRANSPORTING ATPASE 5 (EC 3.6.1.38).//2.10E-124//636aa// 38%//P32660
  - C-NT2RP2005358//Homo sapiens methyl-CpG binding domain-containing protein MBD3 (MBD3) mRNA, complete cds.//0//2199bp//99%//AF072247
- C-NT2RP2005360//Homo sapiens sentrin/SUMO-specific protease (SENP1) mRNA, complete cds.//1.30E-52// 753bp//67%//AF149770
  - C-NT2RP2005393//AUTOANTIGEN NGP-1.//7.20E-39//224aa//35%//Q13823
  - C-NT2RP2005407//OXYSTEROL-BINDING PROTEIN.//5.30E-63//410aa//40%//P22059
  - C-NT2RP2005436//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//1.20E-13//185aa//38%//Q08170
  - C-NT2RP2005441//Homo sapiens hypothalamus protein HT002 mRNA, complete cds.//4.10E-202//962bp//98%//AF113540
  - C-NT2RP2005457//Homo sapiens NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete cds.//1.20E-13 0//608bp//99%//AF070652
- C-NT2RP2005465//MITOCHONDRIAL CARRIER PROTEIN RIM2.//3.00E-44//252aa//41%//P38127 C-NT2RP2005476//Human pi90-B (pi90-B) mRNA, complete cds.//3.40E-108//668bp//88%//U17032 C-NT2RP2005490//Mus musculus D3Mm3e (D3Mm3e) mRNA, complete cds.//1.80E-175//1102bp//83%//AF053628
  - C-NT2RP2005491//PARAMYOSIN (PMY) (ANTIGEN B).//0.00000015//279aa//26%//P35418
- 50 C-NT2RP2005496//ZINC FINGER PROTEIN 135.//2.90E-146//398aa//59%//P52742
  - C-NT2RP2005498//PROTEIN PHOSPHATASE PP2A, 55 KD REGULATORY SUBUNIT, ALPHA ISOFORM (PROTEIN PHOSPHATASE PP2A B SUBUNIT ALPHA ISOFORM) (ALPHA-PR55).//5.20E-81//166aa//88%//P36876 C-NT2RP2005509//Homo sapiens CGI-45 protein mRNA, complete cds.//0//1825bp//99%//AF151803
- C-NT2RP2005520//Homo sapiens chromosome-associated protein-E (hCAP-E) mRNA, complete cds.//0// 3994bp//99%//AF092563
  - C-NT2RP2005525//Mus musculus kanadaptin mRNA, complete cds.//2.40E-304//1687bp//85%//AF035526 C-NT2RP2005531//PROTEIN 4.1 (BAND 4.1) (P4.1).//5.50E-70//393aa//39%//P11171
  - C-NT2RP2005539//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//1560bp//98%//AJ012449

- C-NT2RP2005549//PUTATIVE LACTOYLGLUTATHIONE LYASE (EC 4.4.1.5) (METHYLGLYOXALASE) (AL-DOKETOMUTASE) (GLYOXALASE I) (GLX I) (KETONE-ALDEHYDE MUTASE) (S-D-LACTOYLGLUTATHIONE METHYLGLYOXAL LYASE).//2.00E-20//181aa//36%//Q39366
- C-NT2RP2005557//Homo sapiens clone 486790 diphosphoinositol polyphosphate phosphohydrolase mRNA, complete cds.//1.00E-46//576bp//70%//AF062529
  - C-NT2RP2005605//QUEUINE TRNA-RIBOSYLTRANSFERASE (EC 2.4.2.29) (TRNA-GUANINE TRANSGLYC-OSYLASE) (GUANINE INSERTION ENZYME).//8.20E-23//164aa//28%//O32053
  - C-NT2RP2005620//Homo sapiens epsin 2a mRNA, complete cds.//8.9e-313//1455bp//98%//AF062085
- C-NT2RP2005635//PROBABLE NH(3)-DEPENDENT NAD(\*) SYNTHETASE (EC 6.3.5.1).//1.00E-11//128aa// 36%//P47623
  - C-NT2RP2005654//CYSTEINE STRING PROTEIN (CCCS1).//1.20E-13//74aa//45%//P56101
  - C-NT2RP2005669//Homo sapiens death effector domain-containing testicular molecule mRNA, complete cds.// 1.60E-248//1129bp//99%//AF043733
  - C-NT2RP2005675//Homo sapiens growth suppressor related (DOC-1R) mRNA, complete cds.//4.40E-200//908bp//99%//AF089814
    - C-NT2RP2005694//X-LINKED RETINITIS PIGMENTOSA GTPASE REGULATOR.//2.60E-10//175aa//27%// Q92834
    - C-NT2RP2005701//ZINC-FINGER PROTEIN RFP (RET FINGER PROTEIN).//3.00E-63//323aa//39%//Q62158 C-NT2RP2005712//Homo sapiens myosin X (MYO10) mRNA, partial cds.//0//2681 bp//99%//AF132022
- <sup>20</sup> C-NT2RP2005719//GPI-ANCHORED PROTEIN P137.//4.00E-14//99aa//43%//Q14444
  - C-NT2RP2005722//Homo sapiens ZK1 mRNA for Kruppel-type zinc finger protein, complete cds.//0//2545bp//99%//AB011414
  - C-NT2RP2005723//HNRNP ARGININE N-METHYLTRANSFERASE (EC 2.1.1.-) (ODP1 PROTEIN).//3.00E-09// 169aa//28%//P38074
- 25 C-NT2RP2005752//Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds.//0//1968bp//99%// AF068868
  - C-NT2RP2005753//Homo sapiens I-1 receptor candidate protein mRNA, complete cds.//0//1966bp//99%// AF082516
  - C-NT2RP2005763//EUKARYOTIC INITIATION FACTOR 4A (EIF-4A).//1.70E-61//374aa//38%//P47943
- 30 C-NT2RP2005767//G.gallus PB1 gene.//5.00E-163//1158bp//81%//X90849

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- C-NT2RP2005773//Homo sapiens pyrroline 5-carboxylate reductase isoform (P5CR2) mRNA, complete cds.// 2.70E-180//656bp//99%//AF151351
- C-NT2RP2005775//NEUROLYSIN PRECURSOR (EC 3.4.24.16) (NEUROTENSIN ENDOPEPTIDASE) (MITO-CHONDRIAL OLIGOPEPTIDASE M) (MICROSOMAL ENDOPEPTIDASE) (MEP) (SOLUBLE ANGIOTENSIN-
- BINDING PROTEIN) (SABP).//2.10E-213//249aa//85%//Q02038
  C-NT2RP2005776//POLY(A) POLYMERASE TYPE 2 (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYL-
  - TRANSFERASE).//4.40E-55//358aa//42%//P51005
  - C-NT2RP2005784//Homo sapiens ubiquitin-conjugating enzyme variant Kua (UBE2V) mRNA, complete cds.//0// 2191bp//92%//AF155120
- 40 C-NT2RP2005812//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION.//2.30E-39// 318aa//31%//P40004
  - C-NT2RP2005835//SHP1 PROTEIN.//1.80E-28//208aa//32%//P34223
  - C-NT2RP2005841//Homo sapiens mRNA for ALEX3, complete cds.//3.50E-52//1091bp//59%//AB039669
  - C-NT2RP2005933//NUCLEOPORIN NUP57 (NUCLEAR PORE PROTEIN NUP57).//5.00E-11//155aa//34%//
    - C-NT2RP2005942//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-FERASE).//1.50E-67//388aa//44%//P25500
    - C-NT2RP2006043//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//1.50E-13//185aa//38%//Q08170
- 50 C-NT2RP2006071//Homo sapiens adaptor protein APPL mRNA, complete cds.//5.80E-120//1257bp//64%// AF169797
  - C-NT2RP2006219//H.sapiens mRNA for DGCR6 protein.//1.10E-214//1026bp//97%//X96484
  - C-NT2RP2006238//Rattus norvegicus CTD-binding SR-like protein rA8 mRNA, complete cds.//0//1669bp//88%// U49055
- 55 C-NT2RP2006275//MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: LIGHT CHAIN LC1].//2.00E-59// 388aa//32%//P46821
  - C-NT2RP2006312//Homo sapiens BAF57 (BAF57) gene, complete cds.//2.80E-274//1236bp//99%//AF035262 C-NT2RP2006436//ANTERIOR-RESTRICTED HOMEOBOX PROTEIN (RATHKE POUCH HOMEO BOX).//

3.40E-07//50aa//50%//Q61658

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- C-NT2RP2006456//Homo sapiens leucine-rich glioma-inactivated protein precursor (LGI1) mRNA, complete cds.// 1.30E-37//484bp//65%//AF055636
- C-NT2RP2006464//Homo sapiens mRNA for AND-1 protein.//0//2181bp//99%//AJ006266
- <sup>5</sup> C-NT2RP2006534//5'-AMP-ACTIVATED PROTEIN KINASE, CATALYTIC ALPHA-1 CHAIN (EC 2.7.1.-) (AMPK ALPHA-1 CHAIN) (FRAGMENT).//3.20E-11//32aa//96%//Q13131
  - C-NT2RP2006565//Homo sapiens secretory carrier-associated membrane protein (SCAMP) mRNA, complete cds.//3.10E-272//1220bp//95%//AF038966
  - C-NT2RP2006571//CYTOCHROME P450 2G1 (EC 1.14.14.1) (CYPIIG1) (P450-NMB) (OLFACTIVE).//4.20E-134//486aa//50%//P24461
    - C-NT2RP2006573//2',3'-CYCLIC NUCLEOTIDE 3'-PHOSPHODIESTERASE (EC 3.1.4.37) (CNP).//0.0000055//169aa//25%//P09543
    - C-NT2RP2006598//Homo sapiens retinoid x receptor interacting protein mRNA, complete cds.//3.10E-295// 1193bp//99%//AF113538
- C-NT2RP3000031//HISTONE DEACETYLASE HDA1.//1.10E-71//350aa//42%//P53973
   C-NT2RP3000046//MITOCHONDRIAL GTPASE MSS1 PRECURSOR.//4.60E-78//421aa//37%//P32559
   C-NT2RP3000047//NPL4 PROTEIN.//1.10E-85//526aa//36%//P33755
  - C-NT2RP3000050//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.20E-150//490aa//53%//Q05481
- 20 C-NT2RP3000068//SON OF SEVENLESS PROTEIN HOMOLOG 1 (SOS-1) (MSOS-1 ).//2.20E-06//165aa//27%// Q62245 C-NT2RP3000085//ACETYL //PROPIONIYL COENTYME A CARROXYLASE AL PHA CHAIN/CONTAINS: PLOTIN
  - C-NT2RP3000085//ACETYL-/PROPIONYL-COENZYME A CARBOXYLASE ALPHA CHAIN [CONTAINS: BIOTIN CARBOXYLASE (EC 6.3.4.14); BIOTIN CARBOXYL CARRIER PROTEIN (BCCP)].//1.90E-123//436aa//50%//P46401
- C-NT2RP3000109//P54 PROTEIN PRECURSOR.//0.0000065//358aa//22%//P13692
   C-NT2RP3000207//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//2.90E-11//721aa//23%//P08640
   C-NT2RP3000233//RING CANAL PROTEIN (KELCH PROTEIN).//9.30E-84//453aa//42%//Q04652
  - C-NT2RP3000252//Homo sapiens GTP-binding protein NGB mRNA, complete cds.//0//2388bp//99%//AF120334 C-NT2RP3000299//Rattus norvegicus mRNA for Crk-associated substrate, pi 30, complete cds.//0//2730bp//82%//
  - D29766
    C-NT2RP3000320//Homo sapiens partial mRNA for putative p621 protein which interacts with transcription factor Sp1.//0//1544bp//100%//AJ242978
  - C-NT2RP3000333//Rattus norvegicus db83 mRNA, complete cds.//2.90E-191//1094bp//85%//AB006135
- C-NT2RP3000341//Homo sapiens mitochondrial inner membrane preprotein translocase Tim17a mRNA, nuclear gene encoding mitochondrial protein, complete cds.//1.50E-246//1124bp//99%//AF106622
   C-NT2RP3000350//Homo sapiens GTP-binding protein NGB mRNA, complete cds.//0//2392bp//99%//AF120334
   C-NT2RP3000359//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3).//2.00E-111//226aa//92%//P08760
- 40 C-NT2RP3000361//Homo sapiens mRNA, complete cds, similar to yeast pre-mRNA splicing factors, Prp1/Zer1 and Prp6.//0//2072bp//98%//AB019219
  - C-NT2RP3000366//RAS-RELATED PROTEIN RAB-18.//2.10E-107//206aa//99%//P35293
  - C-NT2RP3000393//Rattus norvegicus DNA-binding protein PREB (Preb) mRNA, complete cds.//5.80E-266// 1373bp//86%//AF061817
- 45 C-NT2RP3000397//PUTATIVE PRE-MRNA SPLICING FACTOR RNA HELICASE (DEAH BOX PROTEIN 13)// 1.70E-139//679aa//41%//O43143
  - C-NT2RP3000403//Homo sapiens formin binding protein 21 mRNA, complete cds.//0//2364bp//99%//AF071185 C-NT2RP3000439//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION.//2.90E-15//319aa//26%//P37908
- C-NT2RP3000441//Homo sapiens squamous cell carcinoma antigen recognized by T cell (SART-2) mRNA, complete cds.//3.40E-42//645bp//67%//AF098066
  - C-NT2RP3000512//Human HOX2G mRNA from the Hox2 locus.//0//1934bp//99%//X16667
  - C-NT2RP3000527//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//4.80E-28//536aa//27%//P28160
  - C-NT2RP3000531//POLIOVIRUS RECEPTOR PRECURSOR (CD155 ANTIGEN).//1.90E-12//192aa//30%// P15151
  - C-NT2RP3000562//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds.//0//2165bp//99%//AF093097
  - C-NT2RP3000578//HES1 PROTEIN.//1.30E-22//229aa//27%//P35843

- C-NT2RP3000590//UVS-2 PROTEIN.//1.30E-22//458aa//24%//P33288
- C-NT2RP3000596//TRICHOHYALIN.//2.50E-17//304aa//28%//Q07283
- C-NT2RP3000603//NEUROGENIC DIFFERENTIATION FACTOR 1.//3.70E-11//90aa//42%//Q13562
- C-NT2RP3000605//Mus musculus mRNA for wizL, complete cds.//0//2232bp//82%//AB012265
- 5 C-NT2RP3000624//Rattus norvegicus mRNA for SECIS binding protein 2 (sbp2 gene).//5.80E-234//1562bp//81%// AJ251245
  - C-NT2RP3000632//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//3.00E-140//499aa//46%// P51523
- C-NT2RP3000739//ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN).//1.40E-24// 10 155aa//37%//Q10149
  - C-NT2RP3000742//1-PHOSPHATIDYLINOSITOL-4.5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT).//4.10E-165//371aa//49%//
  - C-NT2RP3000753//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H).//
- 15 2.00E-10//565aa//24%//P12036

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- C-NT2RP3000759//ADP-RIBOSYLATION FACTOR.//7.00E-28//176aa//34%//Q94650
- C-NT2RP3000825//NEUROGENIC LOCUS NOTCH 3 PROTEIN.//2.50E-36//417aa//31%//Q61982
- C-NT2RP3000826//Homo sapiens mRNA for seven transmembrane protein TM7SF3, complete cds.//0//2522bp// 99%//AB032470
- 20 C-NT2RP3000845//PUTATIVE SERINE/THREONINE-PROTEIN KINASE P78 (EC 2.7.1.-).//8:30E-108//331aa// 50%//P27448
  - C-NT2RP3000868//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds.//6.90E-69//1611bp//61%//U53445
  - C-NT2RP3000869//Drosophila melanogaster AAA family protein Bor (bor) mRNA, complete cds.//2.60E-138// 1673bp//67%//AF227209
  - C-NT2RP3000875//MEVALONATE KINASE (EC 2.7.1.36) (MK).//7.70E-87//175aa//98%//Q03426
  - C-NT2RP3000917//DHP1 PROTEIN.//1.00E-193//428aa//55%//P40848
  - C-NT2RP3000919//Rattus norvegicus golgi peripheral membrane protein p65 (GRASP65) mRNA, complete cds.// 2.70E-185//585bp//88%//AF015264
- 30 C-NT2RP3000968//40S RIBOSOMAL PROTEIN S15A.//1.90E-46//73aa//98%//P39027
  - C-NT2RP3000994//MATERNAL EFFECT PROTEIN STAUFEN.//0.00000006//78aa//48%//P25159
  - C-NT2RP3001055//Drosophila melanogaster separation anxiety protein (san) mRNA, complete cds.//3.80E-38// 462bp//70%//AF225902
  - C-NT2RP3001057//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//9.00E-201//584aa// 54%//Q05481
  - C-NT2RP3001081//Homo sapiens RCC1-like G exchanging factor RLG mRNA, complete cds.//7.10E-47//537bp// 74%//AF060219
  - C-NT2RP3001096//Rattus norvegicus leprecan (lepre1) mRNA, complete cds.//1.70E-94//787bp//66%//
- C-NT2RP3001107//PEREGRIN (BR140 PROTEIN).//3.00E-44//260aa//40%//P55201 40
  - C-NT2RP3001111//Homo sapiens TRF-proximal protein mRNA, complete cds.//1.50E-149//731bp//97%//
  - C-NT2RP3001113/INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//2.90E-11//631aa//23%//
- 45 C-NT2RP3001120//ZINC FINGER, PROTEIN 136.//7.80E-170//512aa//58%//P52737
  - C-NT2RP3001140//F-SPONDIN PRECURSOR.//9.90E-238//419aa//96%//P35446
  - C-NT2RP3001150//TRANSCRIPTION TERMINATION FACTOR RHO.//0.00000031//207aa//29%//P52154
  - C-NT2RP3001155//Homo sapiens mRNA for AND-1 protein.//0//2732bp//99%//AJ006266
  - C-NT2RP3001176//HYPOTHETICAL 65.3 KD PROTEIN IN MAD1-SCY1 INTERGENIC REGION.//1.70E-10// 196aa//27%//P53154
    - C-NT2RP3001216//CYLICIN I (MULTIPLE-BAND POLYPEPTIDE I) (FRAGMENT).//0.0000023//137aa//33%// P35663
    - C-NT2RP3001221//GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1) (GAMMA-BUTYROBETAINE HYDROXYLASE).//1.90E-31//353aa//30%//P80193
- 55 C-NT2RP3001239//MICROTUBULE-ASSOCIATED PROTEIN 1B (MAP1.2) (MAP1(X)) [CONTAINS: LIGHT CHAIN LC1].//1.20E-166//395aa//51%//P14873
  - C-NT2RP3001253//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110).//1.70E-10//540aa// 23%//P32380

- C-NT2RP3001268//Homo sapiens zinc finger protein ZNF228 (ZNF228) mRNA, complete cds.//0//3606bp//99%//AF198358
- C-NT2RP3001272//Mus musculus mRNA for macrophage actin-associated-tyrosine-phosphorylated protein.// 1.30E-99//669bp//83 %//Y18101
- C-NT2RP3001307//Gallus gallus RPE65 mRNA, complete cds.//4.20E-29//530bp//63%//AB017594
   C-NT2RP3001338//ZINC FINGER PROTEIN 81 (FRAGMENT).//2.40E-16//175aa//28%//P51508
   C-NT2RP3001355//TRICARBOXYLATE TRANSPORT PROTEIN PRECURSOR (CITRATE TRANSPORT PROTEIN) (CTP) (TRICARBOXYLATE CARRIER PROTEIN).//3.60E-25//129aa//34%//P32089
   C-NT2RP3001383//Mus musculus ARL-6 interacting protein-6 (Aip-6) mRNA, partial cds.//3.40E-40//355bp//79%//
   AF133913
  - C-NT2RP3001384//Homo sapiens mRNA for LA95 protein.//0//1214bp//99%//AJ243467 C-NT2RP3001398//TRANSCRIPTIONAL REPRESSOR CTCF.//1.30E-61//374aa//36%//P49711 C-NT2RP3001399//SSU72 PROTEIN.//1.30E-16//84aa//52%//P53538 C-NT2RP3001407//SCY1 PROTEIN.//0.00000033//143aa//25%//P53009
- C-NT2RP3001426//DNAJ PROTEIN (FRAGMENT).//1.00E-16//77aa//46%//O33529
   C-NT2RP3001427//WERNER SYNDROME HEUCASE HOMOLOG.//2.70E-10//159aa//33%//O09053
   C-NT2RP3001428//NUCLEOPROTEIN TPR.//1.40E-128//152aa//99%//P 12270
   C-NT2RP3001453//ANTIGEN PEPTIDE TRANSPORTER 2 (APT2) (HISTOCOMPATIBILITY ANTIGEN MODIFIER 2).//3.20E-90//157aa//59%//P36371
- C-NT2RP3001457//Drosophila melanogaster Melted (melt) mRNA, partial cds.//4.60E-20//792bp//59%//
   AF205831
   C-NT2RP3001472//NONHISTONE CHROMOSOMAL PROTEIN 6A.//9.10E-13//87aa//43%//P11632
   C-NT2RP3001495//Human oxidoreductase (HHCMA56) mRNA, complete cds.//0//1475bp//99%//U13395
- C-NT2RP3001497//Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds.//
  0//2295bp//99%//AF064801
  - C-NT2RP3001527//Human Sp140 protein (Sp140) mRNA, complete cds.//4.30E-290//793bp//93%//U63420 C-NT2RP3001529//SP00B-ASSOCIATED GTP-BINDING PROTEIN.//1.00E-61//345aa//42%//P20964 C-NT2RP3001538//HYPOTHETICAL 39.0 KD PROTEIN T28D9.3 IN CHROMOSOME II.//9.10E-10//158aa//31%//Q10022
- C-NT2RP3001554//MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: LIGHT CHAIN LC1].//1.40E-76//388aa//32%//P46821
   C-NT2RP3001580//Mus musculus strain C57BL/J germ cell-less protein (Gcl) mRNA, complete cds.//0//1730bp//85%//AF163665
  - C-NT2RP3001587//Human anthracycline-associated resistance ARX mRNA, complete cds.//0//2617bp//99%//
    - C-NT2RP3001642//HYPOTHETICAL PROTEIN KIAA0210.//6.80E-18//91aa//38%//Q92609 C-NT2RP3001646//WD-40 REPEAT PROTEIN MSI2.//8.80E-09//132aa//31%//O22468

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- C-NT2RP3001671//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//1557bp//98%//AJ012449
- C-NT2RP3001672//Homo sapiens Sex comb on midleg homolog 1 isoform 2 (SCMH1) mRNA, complete cds.//0// 2836bp//99%//AF149046
- C-NT2RP3001679//Homo sapiens rec mRNA, complete cds.//0//2495bp//99%//AB023584
  C-NT2RP3001688//Homo sapiens DNA binding protein p96PIF mRNA, complete cds.//0//1869bp//99%//
- C-N12RP3001688//Homo sapiens DNA binding protein p96PIF mRNA, complete cds.//0//1869bp//99%// AF173868 C-NT2RP3001690//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//0.00000024//481aa//21%//
- P25386
  C-NT2RP3001708//TWISTED GASTRULATION PROTEIN PRECURSOR.//3.40E-33//161aa//32%//P54356
  C-NT2RP3001712//Homo sapiens HP1-BP74 protein mRNA, complete cds.//0//1788bp//99%//AF113534
  C-NT2RP3001723//Homo sapiens cell recognition molecule Caspr2 (CASPR2) mRNA, complete cds.//1.40E-58//1138bp//63%//AF193613
- C-NT2RP3001724//Homo sapiens chromodomain-helicase-DNA-binding protein mRNA, complete cds.//1.10E-240//902bp//99%//AF054177
  - $C-NT2RP3001727//Rattus\ norvegicus\ implantation-associated\ protein\ (IAG2)\ mRNA,\ partial\ cds.//6.90E-132//774bp//88\%//AF008554$
  - C-NT2RP3001730//SEPTIN 2 HOMOLOG (FRAGMENT).//7.10E-132//294aa//84%//Q14141
- 55 C-NT2RP3001739//HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I.//1.40E-15//190aa//32%// Q09701
  - C-NT2RP3001792//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M).//1.80E-117//462aa//55%//P52272

- C-NT2RP3001799//MYOSIN HEAVY CHAIN, STRIATED MUSCLE.//1.60E-11//348aa//27%//P24733 C-NT2RP3001819//RING CANAL PROTEIN (KELCH PROTEIN).//7.40E-18//249aa//30%//Q04652 C-NT2RP3001854//Homo sapiens novel retinal pigment epithelial cell protein (NORPEG) mRNA, complete cds.// 0//2742bp//99%//AF155135
- C-NT2RP3001855//HOMEOBOX PROTEIN PKNOX1 (HOMEOBOX PROTEIN PREP-1).//8.10E-125//302aa//60%//P55347
  C-NT2RP3001857//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//1.20E-14//242aa//24%//Q00808
  C-NT2RP3001898//Homo sapiens mRNA for UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IV, complete cds.//0//1587bp//100%//AB000624
- C-NT2RP3001931//Rattus norvegicus clone C48 CDK5 activator-binding protein mRNA, complete cds.//4.30E-91//656bp//81%//AF177478
   C-NT2RP3001938//SPORULATION-SPECIFIC PROTEIN 1 (EC 2.7.1.-).//1.30E-22//227aa//33%//P08458
   C-NT2RP3001944//HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III.//3.10E-92//314aa//51 %//Q09251
- C-NT2RP3001969//TRICHOHYALIN.//2.70E-11//442aa//23%//P37709
   C-NT2RP3002004//H.sapiens mRNA for FAST kinase.//1.50E-192//475bp//94%//X86779
   C-NT2RP3002007//SAP1 PROTEIN.//1.1 OE-68//474aa//32%//P39955
   C-NT2RP3002014//HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III.//5.30E-25//139aa//48%//Q09232
- C-NT2RP3002045//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT.//1.00E-299//397aa//94%//P18484
  - C-NT2RP3002056//RETINOBLASTOMA BINDING PROTEIN 1 (RBBP-1).//2.00E-48//475aa//35%//P29374 C-NT2RP3002062//Homo sapiens BAG-family molecular chaperone regulator-5 mRNA, complete cds.//0//3764bp//99%//AF095195
  - C-NT2RP3002081//Xenopus laevis chromosome condensation protein XCAP-G mRNA, complete cds.//4.10E-233//1896bp//69%//AF111423
  - C-NT2RP3002108//DEC1 PROTEIN (MDM20 PROTEIN).//7.90E-09//181aa//22%//Q12387

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- C-NT2RP3002151//G1 TO S PHASE TRANSITION PROTEIN 1 HOMOLOG (GTP-BINDING PROTEIN GST1-HS).//2.80E-253//474aa//93%//P15170
- C-NT2RP3002165//TRANSCRIPTIONAL REGULATOR PROTEIN HCNGP.//1.90E-151//223aa//91%//Q02614 C-NT2RP3002273//SCD6 PROTEIN.//1.30E-09//295aa//28%//P45978
- C-NT2RP3002303//PROBABLE UNDECAPRENYL PYROPHOSPHATE SYNTHETASE (EC 2.5.1.31) (UPP SYNTHETASE) (DI-TRANS-POLY-CIS-DECAPRENYLCISTRANSFERASE).//8.60E-49//243aa//43%//Q58767
- C-NT2RP3002330//Homo sapiens eRFS mRNA, complete cds.//0//2443bp//99%//U87791
  C-NT2RP3002351//Human mRNA for NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase (EC 1.5.1.15).//4.20E-70//590bp//76%//X16396
  C-NT2RP3002399//DNA REPLICATION LICENSING FACTOR MCM4 (CDC21 HOMOLOG) (P1-CDC21).//8.60E-
  - C-N12RP3002399//DNA REPLICATION LICENSING FACTOR MCM4 (CDC21 HOMOLOG) (P1-CDC21).//8.60E-79//416aa//34%//P33991
- C-NT2RP3002501//THREONINE DEHYDRATASE CATABOLIC (EC 4.2.1.16) (THREONINE DEAMINASE).//
   3.70E-43//318aa//37%//P05792
   C-NT2RP3002529//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS45.//8.90E-95//542aa//38%//
  - P38932
- C-NT2RP3002549//HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III.//5.80E-40//161aa// 52%//Q10010
  - C-NT2RP3002602//PROBABLE PROTEIN DISULFIDE ISOMERASE ER-60 PRECURSOR (EC 5.3.4.1) (ERP60) (58 KD MICROSOMAL PROTEIN) (P58) (HIP-70) (Q-2).//2.90E-19//173aa//28%//P11598 C-NT2RP3002628//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//2.50E-26//90aa//42%//P38660
- C-NT2RP3002631//Homo sapiens Ran binding protein 11 mRNA, complete cds.//0//1703bp//99%//AF111109 C-NT2RP3002650//Mus musculus growth suppressor 1L (Gros1) mRNA, complete cds.//0//2109bp//87%// AF165163
  - C-NT2RP3002663//Homo sapiens putative glycolipid transfer protein mRNA, complete cds.//8.10E-263//1243bp//97%//AF103731
- C-NT2RP3002671//ELONGATION FACTOR 2 (EF-2).//2.50E-73//179aa//36%//P13060
   C-NT2RP3002682//Homo sapiens CGI-145 protein mRNA, complete cds.//0//1596bp//98%//AF151903
   C-NT2RP3002688//Mouse mRNA for kinesin-like protein (Kif1b), complete cds.//1.10E-93//1205bp//69%//D17577
   C-NT2RP3002770//MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD116.//1.00E-07//70aa//

41%//P17564

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- C-NT2RP3002785//LETHAL(2)DENTICLELESS PROTEIN (DTL83 PROTEIN).//2.50E-55//187aa//39%//Q24371 C-NT2RP3002810//HISTIDINE-RICH PROTEIN KE4.//2.20E-10//260aa//26%//Q31125
- C-NT2RP3002818//INSERTION ELEMENT IS2A HYPOTHETICAL 48.2 KD PROTEIN.//5.70E-226//303aa//97%//
- C-NT2RP3002869//Mus musculus semaphorin VIa mRNA, complete cds.//2.50E-232//1282bp//85%//AF030430 C-NT2RP3002876//Drosophila melanogaster eyelid (eld) mRNA, complete cds.//1.30E-29//805bp//61%//AF053091
- C-NT2RP3002909//P53-BINDING PROTEIN 2 (53BP2) (BCL2-BINDING PROTEIN) (BBP).//1.50E-125//512aa//47%//Q13625
  - C-NT2RP3002948//RING CANAL PROTEIN (KELCH PROTEIN).//2.00E-111//551aa//42%//Q04652 C-NT2RP3002953//Homo sapiens protocadherin beta 5 (PCDH-beta5) mRNA, complete cds.//0//2388bp//99%//
  - C-NT2RP3002969//Homo sapiens mRNA for Acyl-CoA synthetase 3, complete cds.//0//2722bp//99%//D89053
- C-NT2RP3002972//Halocynthia roretzi mRNA for HrPET-1, complete cds.//3.90E-52//899bp//64%//AB029333
  C-NT2RP3002988//Homo sapiens IkB kinase-b (IKK-beta) mRNA, complete cds.//1.80E-292//1325bp//99%//AF080158
  - $C-NT2RP3003032//Homo \, sapiens \, okadaic \, acid-inducible \, and \, cAMP-regulated \, phosphoprotein \, 19 \, (ARPP-19) \, mR-NA, \, complete \, cds.//0//2656bp//99%//AF084555$
- 20 C-NT2RP3003059//Rattus norvegicus potassium channel regulator 1 mRNA, complete cds.//3.80E-152//1007bp// 82%//U78090
  - C-NT2RP3003061//ANKYRIN.//1.40E-20//200aa//37%//Q02357
  - C-NT2RP3003071//NEUROGENIC PROTEIN BIG BRAIN.//1.10E-05//258aa//24%//P23645
  - C-NT2RP3003078//Rattus norvegicus mRNA for ischemia related factor NYW-1, complete cds.//2.60E-112//633bp//88%//AB027149
    - C-NT2RP3003101//Mouse mRNA for tetracycline transporter-like protein, complete cds.//3.60E-83//807bp//72%// D88315
    - C-NT2RP3003133//Homo sapiens ZK1 mRNA for Kruppel-type zinc finger protein, complete cds.//0//1998bp//91%//AB011414
- 30 C-NT2RP3003138//Homo sapiens kinesin superfamily motor KIF4 mRNA, complete cds.//0//2159bp//98%// AF071592
  - C-NT2RP3003145//Mus musculus metallocarboxypeptidase CPX-1 mRNA, complete cds.//0//2251bp//81%// AF077738
  - C-NT2RP3003185//TROPOMYOSIN1, FUSION PROTEIN 33.//2.80E-06//402aa//23%//P49455
- 35 C-NT2RP3003193//ZINC FINGER PROTEIN 135.//7.30E-98//269aa//62%//P52742
  - C-NT2RP3003197//HYPOTHETICAL 33.8 KD PROTEIN C5H10.01 IN CHROMOSOME I.//5.70E-09//169aa// 31%//Q09674
  - C-NT2RP3003203//Rattus norvegicus golgi stacking protein homolog GRASP55 mRNA, complete cds.//2.00E-210//1851 bp//76%//AF110267
- 40 C-NT2RP3003212//Rattus norvegicus Iamina associated polypeptide 1C (LAP1C) mRNA, complete cds.//4.30E-187//1750bp//75%//U20286
  - C-NT2RP3003230//Homo sapiens mRNA for hCRNN4, complete cds.//0//2350bp//99%//AB030656
  - C-NT2RP3003242//Homo sapiens stanniocalcin-related protein mRNA, complete cds.//0//2366bp//99%//AF098462
- 45 C-NT2RP3003251//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)).// 4.20E-86//366aa//48%//P19474
  - C-NT2RP3003282//Homo sapiens dynamin (DNM) mRNA, complete cds.//0//2596bp//98%//L36983
  - C-NT2RP3003290//Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds.//1.5e-310//1468bp//82%// AB033922
- <sup>50</sup> C-NT2RP3003301//MITOCHONDRIAL LON PROTEASE HOMOLOG 1 PRECURSOR (EC 3.4.21.-).//1.10E-170// 585aa//54%//O64948
  - C-NT2RP3003313//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP80 mR-NA, complete cds.//0//2476bp//99%//AF117657
  - C-NT2RP3003327//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A)) (RO52).//1.30E-35//178aa//44%//Q62191
    - C-NT2RP3003353//HYPOTHETICAL 26.2 KD PROTEIN IN GDI1-COX15 INTERGENIC REGION.//2.80E-07// 161aa//28%//P40084
    - C-NT2RP3003385//Mus musculus SKD3 mRNA, complete cds.//0//2133bp//85%//U09874

- C-NT2RP3003409//Human DHHC-domain-containing cysteine-rich protein mRNA, complete cds.//9.20E-45//782bp//65%//U90653
- C-NT2RP3003411//Mus musculus COP9 complex subunit 7b (COPS7b) mRNA, complete cds.//6.30E-270//743bp//90%//AF071317
- 5 C-NT2RP3003490//Homo sapiens mRNA for putative phospholipase, complete cds.//4.50E-81//649bp//67%// AB019435
  - C-NT2RP3003491//Drosophila melanogaster Pelle associated protein Pellino (Pli) mRNA, complete cds.//5.60E-36//842bp//62%//AF091624
  - C-NT2RP3003500//SCY1 PROTEIN.//9.20E-27//601aa//23%//P53009
- 10 C-NT2RP3003555//HYPOTHETICAL 32.6 KD PROTEIN IN MET30-PIG2 INTERGENIC REGION.//4.50E-30// 191aa//40%//P40529
  - C-NT2RP3003589//Homo sapiens ras-related GTP-binding protein mRNA, complete cds.//0//3131bp//94%// AF106681
  - C-NT2RP3003659//HES1 PROTEIN.//5.90E-22//229aa//27%//P35843
- C-NT2RP3003665//Homo sapiens mRNA for beta-ureidopropionase, complete cds.//0//1690bp//99%//AB013885
  C-NT2RP3003672//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PROTEIN) (12E7).//2.20E-13//146aa//42%//P14209
  - C-NT2RP3003701//F-SPONDIN PRECURSOR.//1.80E-17//324aa//26%//P35446
  - C-NT2RP3003716//SLIT PROTEIN PRECURSOR.//6.60E-10//150aa//34%//P24014
- C-NT2RP3003726//Homo sapiens spermatogenesis associated PD1 mRNA, complete cds.//0//2568bp//99%// U28164
  - C-NT2RP3003799//Rattus norvegicus Srg1 (Sytr1) mRNA, complete cds.//9.00E-238//1529bp//84%//U71294 C-NT2RP3003800//Rattus norvegicus tyrosine protein kinase pp60-c-src mRNA, complete cds.//1.90E-163//924bp//89%//AF130457
- <sup>25</sup> C-NT2RP3003809//SAV PROTEIN.//1.10E-131//576aa//41%//Q07590
  - C-NT2RP3003825//PHOSPHATIDYLCHOLINE TRANSFER PROTEIN (PC-TP).//9.60E-19//174aa//31%//P02720
  - $C-NT2RP3003831//Homo\ sapiens\ ENDOGL-1\ (alias\ ENGL-a)\ mRNA\ for\ endonuclease\ G-like\ protein-1,\ complete\ cds.//2.2e-316//1436bp//99\%//AB020523$
- 30 C-NT2RP3003846//Homo sapiens mRNA for putative phospholipase, complete cds.//4.80E-277//1255bp//99%// AB019435
  - C-NT2RP3003876//Rattus norvegicus Rabin3 mRNA, complete cds.//4.50E-147//874bp//87%//U19181 C-NT2RP3003914//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT).//2.20E-20//76aa//64%//Q09332
- C-NT2RP3003918//Homo sapiens VAMP-associated protein B (VAP-B) mRNA, complete cds.//0//2191bp//99%// AF086628
  - C-NT2RP3004013//M.musculus Spnr mRNA for RNA binding protein.//6.50E-240//1215bp//94%//X84692 C-NT2RP3004016//TRANSCRIPTION INTERMEDIARY FACTOR 1-BETA (NUCLEAR COREPRESSOR KAP-1) (KRAB-ASSOCIATED PROTEIN 1).//1.50E-17//226aa//26%//Q13263
- 40 C-NT2RP3004078//H.sapiens HRFX2 mRNA.//0//1806bp//99%//X76091
  - C-NT2RP3004125//Mus musculus zinc finger protein splice variant FIZ1-B (Fiz1) mRNA, complete cds.//4.60E-229//1560bp//78%//AF126747
  - C-NT2RP3004148//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//7.90E-05//271aa//22%//P08640
- C-NT2RP3004155//Homo sapiens COQ7 protein mRNA, complete cds.//1.10E-179//823bp//100%//AF098948
  C-NT2RP3004189//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//1.30E-14//242aa//24%//Q00808
  C-NT2RP3004206//CROOKED NECK PROTEIN.//1.40E-220//567aa//67%//P17886
  - C-NT2RP3004207//Homo sapiens mRNA for type I transmembrane receptor (psk-1 gene).//0//2445bp//100%// AJ245820
- C-NT2RP3004209//Homo sapiens ubiquitin processing protease (Ubp-M) mRNA, complete cds.//0//2320bp// 99%//AF126736
  - C-NT2RP3004242//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENITAL DYSPLASIA PROTEIN HOMOLOG).//4.70E-13//118aa//33%//P52734
  - C-NT2RP3004258//Homo sapiens ZIS1 mRNA, complete cds.//0//1861bp//99%//AF065391
- 55 C-NT2RP3004262//Homo sapiens heat shock protein hsp40-3 mRNA, complete cds.//2.40E-248//1126bp//100%// AF088982
  - C-NT2RP3004282//Homo sapiens torsinA (DYT1) mRNA, complete cds.//5.10E-24//597bp//61%//AF007871 C-NT2RP3004348//R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein.//1.10E-185//1130bp//82%//

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C-NT2RP3004378//Drosophila melanogaster separation anxiety protein (san) mRNA, complete cds.//3.90E-38//462bp//70%//AF225902

C-NT2RP3004424//Homo sapiens mRNA for stromal antigen 3 (STAG3 gene).//1.00E-66//364bp//93%//AJ007798
C-NT2RP3004428//CHROMODOMAIN HELICASE-DNA-BINDING PROTEIN 4 (CHD-4) (MI-2 AUTOANTIGEN 218 KD PROTEIN) (MI2-BETA).//5.20E-09//212aa//25%//Q14839
C-NT2RP3004472//GERM CELL-LESS PROTEIN.//1.60E-61//170aa//40%//Q01820
C-NT2RP3004480//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS35.//3.30E-113//466aa//42%//P34110

- 10 C-NT2RP3004490//Homo sapiens mRNA for Musashi, complete cds./4.00E-303//1385bp//99%//AB012851 C-NT2RP3004498//Mus musculus ROSA 26 transcription AS ROSA26AS mRNA, complete cds.//2.00E-249// 1777bp//80%//U83176
  - C-NT2RP3004504//M.musculus mRNA for CPEB protein.//1.90E-295//893bp//92%//Y08260
  - C-NT2RP3004507//MOB1 PROTEIN (MPS1 BINDER 1).//3.70E-37//190aa//39%//P40484
- C-NT2RP3004534//Mouse oncogene (ect2) mRNA, complete cds.//0//2075bp//87%//L11316
   C-NT2RP3004544//THYROID RECEPTOR INTERACTING PROTEIN 10 (TRIP10) (FRAGMENT).//1.00E-22//1.3aa//53%//Q15642
  - C-NT2RP3004566//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.20E-95//434aa//43%//P51523
- 20 C-NT2RP3004569//ANKYRIN, BRAIN VARIANT 1 (ANKYRIN B) (ANKYRIN, NONERYTHROID).//3.80E-08// 150aa//28%.//Q01484
  - C-NT2RP3004572//Homo sapiens TATA binding protein associated factor (TAFII150) mRNA, complete cds.//0// 1853bp//99%//AF040701
  - C-NT2RP3004578//MYOSIN HEAVY CHAIN, CLONE 203 (FRAGMENT),//5.50E-12//396aa//23%//P39922
- C-NT2RP3004594//Homo sapiens mRNA for AND-1 protein.//0//1807bp//99%//AJ006266
   C-NT2RP3004617//ZINC-BINDING PROTEIN A33.//7.20E-75//464aa//35%//Q02084
   C-NT2RP3004618//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds.//0//3972bp//98%//AF093097
  - C-NT2RP3004669//ETHANOLAMINE KINASE (EC 2.7.1.82) (EASILY SHOCKED PROTEIN).//1.70E-72//254aa//45%//P54352
    - C-NT2RP3004670//Homo sapiens GN6ST mRNA for N-acetylglucosamine-6-O-sulfotransferas e (GlcNAc6ST), complete cds.//0//2393bp//99%//AB014679
    - C-NT2RP4000008//CHLORINE CHANNEL PROTEIN P64.//2.60E-98//239aa//64%//P35526
  - C-NT2RP4000051//SYNAPTONEMAL COMPLEX PROTEIN SC65.//4.90E-51//335aa//37%//Q64375
- C-NT2RP4000078//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//2160bp//99%//AJ012449
  C-NT2RP4000109//Homo sapiens mRNA for MEGF5, partial cds.//0//2161bp//99%//AB011538
  C-NT2RP4000111//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT).//0//728aa//99%//Q10568
  - C-NT2RP4000129//Xenopus laevis F-box protein 28 (Fbx28) mRNA, partial cds.//1.40E-28//296bp//75%//
  - C-NT2RP4000147//Rattus norvegicus ADP-ribosylation factor-directed GTPase activating protein mRNA, complete cds.//4.30E-188//1543bp//78%//U35776
  - C-NT2RP4000210//PAIRED AMPHIPATHIC HELIX PROTEIN.//1.00E-71//396aa//36%//P22579
  - C-NT2RP4000212//ATRIAL GLAND-SPECIFIC ANTIGEN PRECURSOR (AGSA).//5.90E-15//104aa//40%// P15287
    - C-NT2RP4000243//Homo sapiens mRNA for cartilage-associated protein (CASP).//0//1932bp//99%//AJ006470 C-NT2RP4000246//NPC DERIVED PROLINE RICH PROTEIN 1 (NDPP-1).//2.70E-84//208aa//76%//Q03173 C-NT2RP4000259//GLUTATHIONE PEROXIDASE.2 (EC 1.11.1.9).//5.50E-29//153aa//43%//O23968
  - C-NT2RP4000290//HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I.//3.50E-297// 1024aa//55%//P87115
    - C-NT2RP4000312//ADENYLATECYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE).//1.50E-26//237aa//28%//Q01631
    - C-NT2RP4000323//KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN).//3.00E-07//101aa//32%//P26372
- C-NT2RP4000367//Homo sapiens IkappaB kinase complex associated protein (IKAP) mRNA, complete cds.//0// 4782bp//99%//AF044195
  - C-NT2RP4000370//MITOCHONDRIAL PEPTIDE CHAIN RELEASE FACTOR 1 PRECURSOR (MRF-1).//2.60E-77//262aa//54%//O75570

- C-NT2RP4000376//Homo sapiens mRNA for phospholipase A2 activating protein.//0//2412bp//99%//AJ238243 C-NT2RP4000398//ZINC FINGER PROTEIN 140.//2.90E-110//435aa//50%//P52738
- C-NT2RP4000415//Drosophila melanogaster fumble (fumble) mRNA, complete cds.//6.20E-19//902bp//57%// AF221546
- C-NT2RP4000417//MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE (EC 3.2.1.113)(MAN(9)-AL-PHA-MANNOSIDASE)(FRAGMENT).//2.60E-51//438aa//33%//P45701
   C-NT2RP4000449//Homo sapiens sirtuin type 1 (SIRT1) mRNA, complete cds.//0//3143bp//99%//AF083106
  - C-NT2RP4000455//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICPO.//3.00E-07//175aa//27%//P09309
    C-NT2RP4000457//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 15 (EC 3.1.2.15) (UBIQUITIN THI-
- OLESTERASE 15) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 15) (DEUBIQUITINATING ENZYME 15).//
  2.50E-37//291aa//38%//P50101
  - C-NT2RP4000481//ATP-DEPENDENT RNA HELICASE DOB1 (MRNA TRANSPORT REGULATOR MTR4).//
    1.90E-67//721aa//29%//Q09475
  - C-NT2RP4000498//MOB1 PROTEIN (MPS1 BINDER 1).//8.80E-50//214aa//50%//P40484
- C-NT2RP4000518//ATP-DEPENDENT RNA HELICASE ROK1.//1.50E-106//495aa//45%//P45818
   C-NT2RP4000524//Mus musculus Sec8 mRNA, complete cds.//0//3131bp//87%//AF022962
   C-NT2RP4000528//NPL4 PROTEIN.//9.80E-86//515aa//37%//P33755
  - C-NT2RP4000556//SUR4 PROTEIN (SRE1 PROTEIN).//7.40E-14//233aa//31%//P40319

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- C-NT2RP4000614//Homo sapiens TLS-associated protein TASR-2 mRNA, complete cds.//2.90E-188//863bp//99%//AF067730
  - C-NT2RP4000648//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICP0.//3.70E-07//175aa//27%//P09309 C-NT2RP4000657//SPORE COAT POLYSACCHARIDE BIOSYNTHESIS PROTEIN SPSE.//1.10E-32//350aa//30%//P39625
  - C-NT2RP4000713//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X.//1.10E-13//295aa// 27%//Q11073
  - C-NT2RP4000724//RETROVIRUS-RELATED ENV POLYPROTEIN.//3.20E-191//199aa//78%//P10267
    C-NT2RP4000737//Mus musculus F-box protein FBL10 mRNA, partial cds.//4.60E-250//1462bp//84%//AF176524
    C-NT2RP4000781//HYPOTHETICAL 27.7 KD PROTEIN IN CPT1-SPC98 INTERGENIC REGION.//
    0.000000032//67aa//31%//P53915
- C-NT2RP4000817//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN1,4-ALPHA- GLUCOSI-DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//9.80E-11//503aa//23%//P08640
   C-NT2RP4000837//Homo sapiens mRNA for zinc finger protein SALL1.//4.30E-94//810bp//65%//Y18265
   C-NT2RP4000839//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//8.50E-21//271aa//28%//Q00808
   C-NT2RP4000855//AMINOPEPTIDASE B (EC 3.4.11.6) (ARGINYL AMINOPEPTIDASE)(ARGININE AMI-
- NOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV) (AP-B).//5.70E-82//324aa//48%//O09175
  C-NT2RP4000865//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT).//4.10E-85//174aa//55%//P16415
  C-NT2RP4000878//MYELOID UPREGULATED PROTEIN.//6.20E-91//173aa//87%//O35682
  C-NT2RP4000879//UBIQUITIN-ACTIVATING ENZYME EI (A1S9 PROTEIN).//9.60E-96//513aa//42%//P22314
  C-NT2RP4000907//Mouse NLRR-1 mRNA for leucine-rich-repeat protein, complete cds.//0//2127bp//86%//D45913
  - C-NT2RP4000925//FIBROMODULIN PRECURSOR (FM) (COLLAGEN-BINDING 59 KD PROTEIN).//2.60E-26// 227aa//36%//Q06828
  - C-NT2RP4000927//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE DUB-1 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE DUB-1) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE DUB-1) (DEUBIQUITINATING EN-ZYME 1).//1.50E-76//346aa//43%//Q61068
- ZYME 1).//1.50E-76//346aa//43%//Q61068
   C-NT2RP4000928//Homo sapiens mRNA for CDS2 protein.//0//2487bp//99%//Y16521
  - C-NT2RP4000929//PUTATIVE ATP-DEPENDENT RNA HEUCASE MJ1505.//1.40E-07//185aa//25%//Q58900 C-NT2RP4000973//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//1.40E-26//90aa//42%//P38660
- 50 C-NT2RP4000979//Homo sapiens putative HIV-1 infection related protein mRNA, partial cds.//2.30E-81//389bp// 100%//AF094583
  - C-NT2RP4000989//UNC-47 PROTEIN.//8.20E-06//173aa//25%//P34579
  - C-NT2RP4000997//DNA-DIRECTED RNA POLYMERASE 1135 KD POLYPEPTIDE (EC 2.7.7.6) (RNA POLYMERASE I SUBUNIT 2) (RPA135).//0//838aa//87%//P70700
- 55 C-NT2RP4001004//VACUOLAR PROTEIN 8.//3.70E-16//401aa//26%//P39968
  - C-NT2RP4001010//Rattus norvegicus PSD-95/SAP90-associated protein-4 mRNA, complete cds.//3.50E-257// 1377bp//91%//U67140
  - C-NT2RP4001029//Homo sapiens transcription factor LBP-1b (LBP-1) mRNA, complete cds.//0//2002bp//98%//

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- C-NT2RP4001041//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE-TRNA LIGASE)//1.50E-92//443aa//44%//Q09996
- C-NT2RP4001064//SYNAPTONEMAL COMPLEX PROTEIN SC65.//6.70E-51//335aa//37%//Q64375
- 5 C-NT2RP4001079//CALCIUM-TRANSPORTING ATPASE 1 (EC 3.6.1.38) (GOLGI CA2+-ATPASE).//1.30E-123// 563aa//46%//P13586
  - C-NT2RP4001080//Homo sapiens mRNA for Rod1, complete cds.//0//1439bp//99%//AB023967
    C-NT2RP4001086//NEUROFILAMENT TRIPLET H PROTEIN (200 KD NEUROFILAMENT PROTEIN) (NF-H).//
    2.30E-07//474aa//22%//P12036
- C-NT2RP4001095//DOUBLE-STRANDED RNA-SPECIFIC EDITASE 1 (EC 3.5.-.-) (DSRNA ADENOSINE DEAM-INASE) (RNA EDITING ENZYME 1).//2.60E-17//121aa//36%//P51400
  C-NT2RP4001117//PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT.//1.90E-115//224aa//100%//P38378
  - C-NT2RP4001122/mPD PROTEIN.//1.40E-65//253aa7/41%//O15736
- 15 C-NT2RP4001126/TRICHOHYALIN.//2.90E-18//380aa//26%//Q07283
  - C-NT2RP4001143//SUCCINYL-DIAMINOPIMELATE DESUCCINYLASE (EC 3.5.1.18) (SDAP).//2.10E-07// 93aa//33%//P44514
  - C-NT2RP4001148//SOF1 PROTEIN.//1.30E-104//236aa//52%//P33750
  - C-NT2RP4001149//Homo sapiens cleft lip and palate transmembrane protein 1 (CLPTM1) mRNA, complete cds.// 4.40E-187//731bp//100%//AF037339
  - C-NT2RP4001150//NG-CAM RELATED CELL ADHESION MOLECULE PRECURSOR (NR-CAM) (BRAVO).// 3.40E-29//385aa//29%//P35331
  - C-NT2RP4001174//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).// 4.70E-29//227aa//35%//P52178
- C-NT2RP4001206//Drosophila melanogaster strawberry notch (sno) mRNA, complete cds.//4.40E-104//1460bp// 65%//U95760
  - C-NT2RP4001207//Homo sapiens Ran binding protein 11 mRNA, complete cds.//0//2940bp//99%//AF111109 C-NT2RP4001213//ZINC FINGER PROTEIN 184 (FRAGMENT).//5.70E-141//511aa//43%//Q99676
  - C-NT2RP4001219//PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR (EC 5.3.4.1).//6.20E-27//
- 30 90aa//42%//P38660

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- C-NT2RP4001228//RING CANAL PROTEIN (KELCH PROTEIN).//1.80E-103//508aa//43%//Q04652 C-NT2RP4001256//Homo sapiens mRNA for gamma tubulin ring complex protein (76p gene).//0//2006bp//100%//
- C-NT2RP4001260//Homo sapiens F-box protein Fbx21 (FBX21) mRNA, complete cds.//0//1866bp//100%//AF174601
- C-NT2RP4001274//Human transporter protein (g17) mRNA, complete cds.//4.40E-58//1196bp//61%//U49082 C-NT2RP4001276//TRICHOHYALIN.//7.90E-09//126aa//32%//Q07283
- C-NT2RP4001313//MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM40 (MOM38 PROTEIN) (TRANSLO-CASE OF OUTER MEMBRANE 40 KD SUBUNIT).//5.90E-17//296aa//29%//P24391
- 40 C-NT2RP4001315//Bos taurus mRNA for Rab5 GDP/GTP exchange factor, Rabex5.//8.50E-213//1129bp//92%// AJ001119
  - C-NT2RP4001336//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN.//0.000016//186aal/29%//O24076
  - C-NT2RP4001339//Homo sapiens mRNA for AMMERC1 protein.//9.20E-160//736bp//99%//AJ007014
- 45 C-NT2RP4001345//Homo sapiens mRNA for LCAT-like lysophospholipase (LLPL), complete cds.//2.7e-310// 1400bp//100%//AB017494
  - C-NT2RP4001351//Human ovarian cancer downregulated myosin heavy chain homolog (Doc1) mRNA, complete cds.//1.40E-58//2425bp//59%//U53445
  - C-NT2RP4001372//IRREGULAR CHIASM C-ROUGHEST PROTEIN PRECURSOR (IRREC PROTEIN).//1.60E-19//222aa//30%//Q08180
    - C-NT2RP4001375//NON-RECEPTOR TYROSINE KINASE SPORE LYSIS A (EC 2.7.1.112) (TYROSINE- PROTEIN KINASE 1).//9.20E-17//146aa//35%//P18160
    - C-NT2RP4001379//HYPOTHETICAL 49.1 KD PROTEIN C11D3.06 IN CHROMOSOME I.//2.00E-53//436aa// 30%//Q10085
- 55 C-NT2RP4001389//KESIPROTEIN.//1.70E-31//342aa//34%//P35844
  - C-NT2RP4001407//TRICHOHYALIN.//1.90E-05//298aa//21%//P22793
  - C-NT2RP4001414//SEPTIN 2 HOMOLOG (FRAGMENT).//7.70E-190//422aa//82%//Q14141
  - C-NT2RP4001433//ZINC FINGER PROTEIN 184 (FRAGMENT).//1.20E-138//419aa//54%//Q99676

- C-NT2RP4001474//Xenopus laevis putative Zic3 binding protein mRNA, complete cdsJ/2.70E-66//738bp//71%// AF129131
- C-NT2RP4001483//2-OXOGLUTARATE DEHYDROGENASE EI COMPONENT PRECURSOR (EC 1.2.4.2) (AL-PHA-KETOGLUTARATE DEHYDROGENASE).//0//962aa//78%//Q02218
- 5 C-NT2RP4001498//ANKYRIN REPEAT-CONTAINING PROTEIN AKR1.//1.00E-27//374aa//29%//P39010 C-NT2RP4001529//Homo sapiens transcription factor LBP-1b (LBP-1) mRNA, complete cds.//0//2002bp//98%// AF198487
  - C-NT2RP4001547//HYPOTHETICAL 45.0 KD PROTEIN IN NOT1/CDC39-HMR INTERGENIC REGION.//5.70E-54//242aa//38%//P25656
- 10 C-NT2RP4001551//Homo sapiens chromatin-specific transcription elongation factor FACT 140 kDa subunit mR-NA, complete cds.//0//3202bp//99%//AF152961
  C-NT2RP4001555//PUTATIVE ENDONUCLEASE VIII (EC 3.2.-.-).//4.70E-09//216aa//24%//P96902
  - C-NT2RP4001567//ARMADILLO SEGMENT POLARITY PROTEIN.//5.40E-07//213aa//26%//Q02453
  - C-NT2RP4001568//ZINC FINGER PROTEIN GCS1.//1.80E-10//109aa//36%//P35197
- 15 C-NT2RP4001574//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).//0//874aa// 96%//P53620
  - C-NT2RP4001575//Rattus norvegiqus mRNA for ARE1 protein.//0//1087bp//87%//AJ223830 C-NT2RP4001592//ISOLEUCYL-TRNA SYNTHETASE (EC 6.1.1.5) (ISOLEUCINE--TRNA LIGASE) (ILERS).// 1.70E-141//373aa7/47%//P73505
- C-NT2RP4001634//CENTROMERIC PROTEIN E (CENP-E PROTEIN).//2.80E-14//652aa//22%//Q02224
   C-NT2RP4001638//DNA REPAIR/TRANSCRIPTION PROTEIN MET18/MMS19.//5.10E-46//234aa//32%//P40469
  - C-NT2RP4001644//MYOSIN UGHT CHAIN KINASE (EC 2.7.1.117) (MLCK).//6.40E--19//111aa//45%//P25323 C-NT2RP4001656//VACUOLAR BIOGENESIS PROTEIN END1 (PEP5 PROTEIN).//1.10E-45//310aa//27%//P12868
  - C-NT2RP4001696//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT).//4.00E-10//243aa//25%//Q10568
  - C-NT2RP4001725//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT.//3.00E-10//128aa//32%// Q10282
- C-NT2RP4001730//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT).//6.40E-170//1168aa//33%//Q09332
  - C-NT2RP4001753//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//3.90E-236//665aa//58%//P51523
  - C-NT2RP4001760//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENITAL DYSPLASIA PROTEIN).//4.10E-16//263aa//27%//P98174
  - C-NT2RP4001790//Homo sapiens zinc finger protein ZFP-95 (ZFP95) mRNA, alternatively spliced, complete cds.// 0//3053bp//99%//AF170025
  - C-NT2RP4001822//PLATELET-ENDOTHELIAL TETRASPAN ANTIGEN 3 (PETA-3) (GP27) (MEMBRANE GLYC-OPROTEIN SFA-1) (CD151 ANTIGEN).//1.20E-30//241aa//30%//O35566
- 40 C-NT2RP4001823//MICROFIBRIL-ASSOCIATED GLYCOPROTEIN 4.//1.10E-19//77aa//54%//P55083 C-NT2RP4001838//Homo sapiens CoREST protein (COREST) mRNA, complete cds.//6.30E-99//555bp//73%// AF155595
  - C-NT2RP4001849//SH3-BINDING PROTEIN 3BP-1.//1.40E-85//489aa//43%//P55194
  - C-NT2RP4001861/HTUCHOHYALIN.//1.00E-35//307aa//34%//P37709

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- C-NT2RP4001896//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//1.40E-08//345aa7/25%//Q00808
   C-NT2RP4001927//MICROTUBULE-ASSOCIATED PROTEIN YTM1.//1.30E-38//258aa//32%//Q12024
   C-NT2RP4001938//TRANSCRIPTIONAL REPRESSOR CTCF.//9.80E-60//303aa//38%//P49711
   C-NT2RP4001946//PROTEIN-L-ISOASPARTATE O-METHYLTRANSFERASE (EC 2.1.1.77) (PROTEIN- BETA-ASPARTATE METHYLTRANSFERASE) (PIMT) (PROTEIN L-ISOASPARTYL METHYLTRANSFERASE) (L-ISO-
- ASPARTYL PROTEIN CARBOXYL METHYLTRANSFERASE).//1.50E-13//211aa//28%//Q43209
  C-NT2RP4001950//GLUTAMIC ACID-RICH PROTEIN PRECURSOR.//1.20E-13//356aa//27%//P13816
  C-NT2RP4001966//Mus musculus ODZ3 (Odz3) mRNA, partial cds.//0//3203bp//87%//AF195418
  C-NT2RP4001975//Homo sapiens golgi membrane protein GP73 mRNA, complete cds.//0//3024bp//99%//
- C-NT2RP4002018//RING CANAL PROTEIN (KELCH PROTEIN).//6.90E-24//370aa//27%//Q04652
   C-NT2RP4002047//GTP-BINDING PROTEIN LEPA.//1.50E-168//601aa//52%//O67618
   C-NT2RP4002058//PUTATIVE PRE-MRNA SPLICING FACTOR RNA HELICASE (DEAH BOX PROTEIN 13)//1.00E-137//679aa//40%//O43143

- C-NT2RP4002078//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//3.00E-150//722aa//39%//Q05481
- C-NT2RP4002081//TRANSCRIPTION INITIATION FACTOR IIA ALPHA AND BETA CHAINS (TFIIA P35 AND PI 9 SUBUNITS) (TFIIA-42) (TFIIAL).//6.70E-06//250aa//31%//P52655
- C-NT2RP4002408//PROTEIN KINASE CEK1 (EC 2.7.1.-).//1.50E-63//159aa//53%//P38938
   C-NT2RP4002791//NUCLEOPROTEIN TPR.//6.50E-05//659aa//23%//P12270
   C-NT2RP5003461//RLR1 PROTEIN.//9.70E-22//177aa//27%//P53552
  - C-NT2RP5003477//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//5.50E-15//280aa//27%//Q00808
- C-NT2RP5003500//Mus musculus mRNA for heparan sulfate 6-sulfotransferase 2, complete cds.//1.30E-237// 820bp//87%//AB024565
  - C-NT2RP5003506//Homo sapiens putative G protein-coupled receptor (RAIG1) mRNA, complete cds.//0// 2289bp//99%//AF095448
  - C-NT2RP5003522//NADPH-CYTOCHROME P450 REDUCTASE (EC 1.6.2.4) (CPR).//3.30E-23//219aa//40%//P37116
- 15 C-OVARC1000001//Homo sapiens mRNA for actin binding protein ABP620, complete cds.//7.00E-217//683bp// 99%//AB029290
  - C-OVARC1000006//HISTONE H2A.1.//1.10E-55//117aa//99%//P02262
  - C-OVARC1000013//APOPTOTIC PROTEASE ACTIVATING FACTOR 1 (APAF-1).//4.20E-06//102aa//32%// O14727
- 20 C-OVARC1000014//Homo sapiens GLE1 (GLE1) mRNA, complete cdsJ/2.60E-295//1393bp//97%//AF058922 C-OVARC1000060//EXTRACELLULAR RIBONUCLEASE LE PRECURSOR (EC 3.1.27.1) (RNASE LE).//3.20E-07//60aa//45 %//P80022
  - C-OVARC1000071//Homo sapiens NTF2-related export protein NXT1 (NXT1) mRNA, complete cds.//1.50E-47//727bp//67%//AF156957
- C-OVARC1000085//Human mRNA for proteasome subunit HC5.//1.00E-151//699bp//100%//D00761
   C-OVARC1000087//HISTONE MACRO-H2A.1.//1.60E-12//174aa//26%//Q02874
   C-OVARC1000091//HOST CELL FACTOR C1 (HCF) (VP16 ACCESSORY PROTEIN) (HFC1) (VCAF) (CFF).// 8.40E-14//259aa//30%//P51610
  - C-OVARC1000106//TROPOMYOSIN 1, FUSION PROTEIN 33.//0.000032//165aa//27%//P49455
- C-OVARC1000139//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THI-OLESTERASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUITOUS NUCLEAR PROTEIN HOMOLOG).//2.70E-12//120aa//32%//Q13107
  - C-OVARC1000151//Homo sapiens partial mRNA for putative protein p38 interacting with transcription factor Spl.// 2.50E-95//461bp//98%//AJ242975
- 35 C-OVARC1000209//Oryza sativa submergence induced protein 2A mRNA, complete cds.//1.80E-32//511bp//65%// AF068332
  - C-OVARC1000241//HYPOXIA-INDUCIBLE FACTOR 1 ALPHA (HIF-1 ALPHA) (ARNT INTERACTING PROTEIN) (MEMBER OF PAS PROTEIN 1) (MOP1) (HIF1 ALPHA).//8.20E-120//351aa//54%//Q16665
- C-OVARC1000288//VACUOLAR AMINOPEPTIDASE I PRECURSOR (EC 3.4.11.22) (POLYPEPTIDASE)(LEU-CINE AMINOPEPTIDASE IV) (LAPIV) (AMINOPEPTIDASE III)(AMINOPEPTIDASE YSCI).//5.40E-53//384aa//30%//P14904
  - C-OVARC1000304//PROTEIN MOV-10.//1.10E-249//519aa//87%//P23249
  - C-OVARC1000309//THREONINE SYNTHASE (EC 4.2.99.2).//2.70E-40//154aa//38%//P29363
  - C-OVARC1000326//Rattus norvegicus lamina-associated polypeptide 1C (LAP1C) mRNA, complete cds.//9.20E-148//787bp//76%//U19614
    - C-OVARC1000335//HYPOTHETICAL 39.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION.//5.90E-14// 200aa/27%/P40004
    - C-OVARC1000437//TENSIN.//7.90E-181//340aa//84%//Q04205

- C-OVARC1000465//PROTEIN TRANSPORT PROTEIN SEC7.//1.20E-25//227aa//25%//P11075
- C-OVARC1000473//DUAL SPECIFICITY PROTEIN PHOSPHATASE 3 (EC 3.1.3.48) (EC 3.1.3.16) (DUAL SPECIFICITY PROTEIN PHOSPHATASE VHR).//3.10E-10//125aa//35%//P51452
  - C-OVARC1000479//Rattus norvegicus mRNA for TIP120, complete cds.//0//1872bp//89%//D87671
  - C-OVARC1000520//Homo sapiens supervillin mRNA, complete cds.//2.20E-157//892bp//91%//AF051850
  - C-OVARC1000556//RIBOSOMAL PROTEIN S6 KINASE II ALPHA 2 (EC 2.7.1.-) (S6KII-ALPHA 2) (P90-RSK 2)
- 55 (RIBOSOMAL S6 KINASE 3) (RSK3) (PP90RSK3).//3.30E-67//132aa//95%//Q15349
  - C-OVARC1000564//Homo sapiens sorting nexin 5 (SNX5) mRNA, complete cds.//1.0e-310//1440bp//98%// AF121855
  - C-OVARC1000649//Human squamous cell carcinama of esophagus mRNA for GRB-7 SH2 domain protein, com-

plete cds.//0//1812bp//98%//D43772

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99%//AJ224819

- C-OVARC1000679//Homo sapiens myosin-IXa mRNA, complete cds.//0//808bp//99%//AF117888
- C-OVARC1000682//PROCESSING ALPHA-1,2-MANNOSIDASE (EC 3.2.1.-) (ALPHA-1,2-MANNOSIDASE 1B).// 1.10E-209//293aa//95%//P39098
- 5 C-OVARC1000722//Homo sapiens chromosome 1q21-1q23 beta-1,4-galactosyltransferase mRNA, complete cds.//0//759bp//98%//AF038661
  - C-OVARC1000746//MATERNAL EFFECT PROTEIN STAUFEN.//0.000000017//78aa//48%//P25159
  - C-OVARC1000751//PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (EC 3.1.3.16) (PP2C).//5.60E-11//74aa//37%//P49596
- 10 C-OVARC1000771//RAS-RELATED PROTEIN RAB-2.//1.10E-46//121aa//79%//P08886
  - C-OVARC1000800//MITOCHONDRIAL STRESS-70 PROTEIN PRECURSOR (75 KD GLUCOSE REGULATED PROTEIN) (GRP 75).//3.90E-46//78aa//98%//O35501
  - $C-OVARC1000834//Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258//1183bp//99\%//Y177111000834//Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258//1183bp//99\%//Y177111000834//Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258//1183bp//99\%//Y177111000834//Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258//1183bp//99\%//Y177111000834//Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258//1183bp//99\%//Y177111000834//Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258//1183bp//99\%//Y177111000834//Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258//1183bp//99\%//Y177111000834//Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258///Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, CALC. // 2.80E-258///Homo\, sapiens\, mRNA\, for\, atopy\, related\, autoantigen\, calculated autoantig$
  - C-OVARC1000846//NUCLEOLIN (PROTEIN C23).//0.0000097//109aa//30%//P08199
- 15 C-OVARC1000850//Homo sapiens PB39 mRNA, complete cds://0//2095bp//99%//AF045584
  - C-OVARC1000862//M.musculus mRNA for FT1.//5.90E-226//1498bp//81%//Z67963
  - C-OVARC1000876//MOB1 PROTEIN (MPS1 BINDER 1).//2.20E-50//206aa//52%//P40484
  - C-OVARC1000885//OXIDOREDUCTASE UCPA (EC 1.-.-.).//1.30E-32//170aa//34%//P37440
  - .C-OVARC1000915//Homo sapiens histone deacetylase 5 mRNA, complete cds.//1.60E-121//591bp//97%// AF132608
  - C-OVARC1000936//COAT PROTEIN GP37 (ENV PROTEIN GP37).//0.0000054//135aa//28%//P03398
  - C-OVARC1000937//S-PHASE ENTRY CYCLIN 6.//4.90E-10//61aabp//49%//P32943
  - C-OVARC1000945//Rattus norvegicus mRNA for atypical PKC specific binding protein, complete cds.//0//1961bp//82%//AB005549
- <sup>25</sup> C-OVARC1000959//HYPOTHETICAL PROTEIN MJ0933.//1.20E-17//127aa//33%//Q58343
  - C-OVARC1000999//ANKYRIN HOMOLOG PRECURSOR.//4.10E-11//189aa//32%//Q06527
  - C-OVARC1001034//Mus musculus Fn54 mRNA, partial cds.//1.50E-178//1113bp//86%//AF001533
  - C-OVARC1001038//Homo sapiens mRNA for Ariadne-2 protein.//0//1172bp//97%//AJ130978
  - C-OVARC1001051//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN
  - EPS15) (AF-1P PROTEIN).//1.10E-08//216aa//23%//P42566
    - C-OVARC1001055//PRE-B CELL ENHANCING FACTOR PRECURSORS.//1.90E-35//76aa//98%//P43490
    - C-OVARC1001065//Homo sapiens CGI-12 protein mRNA, complete cds.//1.00E-215//1027bp//98%//AF132946
    - C-OVARC1001068//Homo sapiens Era GTPase A protein (HERA-A) mRNA, partial cds.//0//1819bp//99%// AF082657
- C-OVARC1001092//Homo sapiens mRNA for JM5 protein, complete CDS (clone IMAGE 53337, LLNLc110F1857Q7 (RZPD Berlin) and LLNLc110G0913Q7 (RZPD Berlin))-//2.00E-214//769bp//97%//AJ005897 C-OVARC1001107//Homo sapiens protein methyltransferase (JBP1) mRNA, complete cds.//6.10E-276//594bp//98%//AF167572
  - C-OVARC1001113//Homo sapiens diaphanous 1 (HDIA1) mRNA, complete cds.//5.1e-310//1588bp//93%// AF051782
  - C-OVARC1001154//Homo sapiens clone 24720 epithelin 1 and 2 mRNA, complete cds.//2.30E-296//1561bp// 93%//AF055008
  - C-OVARC1001171//Homo sapiens translation initiation factor 3 47 kDa subunit mRNA, complete cds.//5.70E-151// 436bp//92%//U94855
- 45 C-OVARC1001180//UBIQUITIN-LIKE PROTEIN DSK2.//1.10E-11//221aa//25%//P48510
  - C-OVARC1001200//Mus musculus mRNA for HS1 binding protein 3.//5.80E-88//658bp//80%//AJ132192
  - C-OVARC1001232//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT).//5.10E-22//83aa//37%//Q10568
  - C-OVARC1001244//H.sapiens mRNA for Drosophila female sterile homeotic (FSH) homologue.//0//1467bp//99%// x62083
    - C-OVARC1001271//NUCLEOLAR TRANSCRIPTION FACTOR 1 (UPSTREAM BINDING FACTOR 1) (UBF-1).// 0.0000014//224aa//26%//P25976
    - C-OVARC1001306//N-MYC PROTO-ONCOGENE PROTEIN.//0.00000073//247aa//27%//P18444
    - C-OVARC1001342//40S RIBOSOMAL PROTEIN S8.//1.40E-110//207aa//99%//P09058
- C-OVARC1001372//Homo sapiens liprin-alpha4 mRNA, partial cds.//2.00E-252//1146bp//99%//AF034801
   C-OVARC1001381//Homo sapiens mRNA for candidate tumor suppressor involved in B-CLL.//6.00E-148//683bp//
  - C-OVARC1001417//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP170

- mRNA, complete cds.//0//1715bp//99%//AF135802
- C-OVARC1001419//Homo sapiens GOK (STIM1) mRNA, complete cds.//4.90E-48//586bp//69%//U52426
- C-OVARC1001436//ENL PROTEIN.//0.00000009//81aa//39%//Q03111
- C-OVARC1001476//Mus musculus YGR163w mRNA homologue, complete cds.//1.80E-187//510bp//89%//
  AB017616
  - C-OVARC1001496//Homo sapiens C-terminal binding protein 2 mRNA, complete cds.//0//1876bp//98%//AF016507
  - C-OVARC1001506//POLYCYSTIN PRECURSOR (AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE PROTEIN 1).//o//777aa//91%//P98161
- 10 C-OVARC1001555//NGG1-INTERACTING FACTOR 3.//4.40E-19//130aa//40%//P53081
  - C-OVARC1001577//Homo sapiens SRp46 splicing factor transcribed retropseudogene.//0//1167bp//100%//AF031165
  - C-OVARC1001610//Homo sapiens choline/ethanolaminephosphotransferase (CEPT1) mRNA, complete cds.//0// 1870bp//99%//AF068302
- 15 C-OVARC1001703//Mus musculus ARL-6 interacting protein-2 (Aip-2) mRNA, complete cds.//3.50E-16//399bp// 61%//AF133670
  - C-OVARC1001711//CORNIFIN B (SMALL PROLINE-RICH PROTEIN 1B) (SPR1B) (SPR1B).//2.80E-10//106aa//38%//Q62267
  - C-OVARC1001713//ENDOZEPINE-RELATED PROTEIN PRECURSOR (MEMBRANE-ASSOCIATED DI-AZEPAM BINDING INHIBITOR) (MA-DBI).//4.40E-40//195aa//41%//P07106
  - C-OVARC1001726//APICAL-LIKE PROTEIN (APXL PROTEIN).//4.30E-16//116aa//43%//Q13796
  - C-OVARC1001731//TROPOMYOSIN ALPHA CHAIN, FIBROBLAST ISOFORM F2.//4.00E-122//282aa//85%//P08942
  - C-OVARC1001762//N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA- AMINO, ACETYLTRANSFERASE 1).//6.40E-85//514aa//34%//P12945
  - C-OVARC1001766//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds.// 0//963bp//99%//U97670
  - C-OVARC1001809//Mus musculus sphingosine kinase (SPHKIa) mRNA, partial cds.//2.70E-190//1624bp//76%// AF068748
- 30 C-OVARC1001942//N-TERMINAL ACETYLTRANSFERASE 1 (EC 2.3.1.88) (AMINO-TERMINAL, ALPHA- AMI-NO, ACETYLTRANSFERASE 1).//3.10E-81//497aa//35%//P12945
  - C-OVARC1001943//Mus musculus DEBT-91 mRNA, complete cds.//0//2035bp//87%//AF143859
  - C-OVARC1001987//Homo sapiens prolactin regulatory element-binding protein (PREB) mRNA, complete cds.// 0//1083bb//99%//AF203687
- 35 C-OVARC1002050//Homo sapiens mRNA for actin binding protein ABP620, complete cds.//0//1019bp//99%// AB029290
  - C-OVARC1002112//HISTONE MACRO-H2A.1.//3.00E-174//371aa//90%//Q02874
  - C-OVARC1002127//SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER 2 (BRAIN DIGOXIN CARRIER PROTEIN) (BRAIN-SPECIFIC ORGANIC ANION TRANSPORTER) (OATP-B1).//5.40E-52//306aa//35%//
- 40 O35913

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- C-OVARC100213 8//SAP1 PROTEIN.//7.60E-60//128aa//59%//P39955
- C-OVARC1002156//Danio rerio uridine kinase mRNA, complete cds.//6.00E-16//262bp//64%//AF195851
- C-OVARC1002165//3-OXO-5-ALPHA-STEROID 4-DEHYDROGENASE 2 (EC 1.3.99.5) (STEROID 5-ALPHA-REDUCTASE 2) (SR TYPE 2).//7.60E-08//114aa//37%//P31213
- 45 C-OVARC1002182//BETA-TRCP (BETA-TRANSDUCIN REPEAT-CONTAINING PROTEIN) (BTRCP).//1.70E-09//207aa//30%//Q91854
  - C-PLACE1000004//Homo sapiens IDN3-B mRNA, complete cds.//0//2365bp//99%//AB019602
  - C-PLACE1000007//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE R10E11.3 (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN-
- 50 ZYME).//1.60E-81//212aa//70%//P34547
  - C-PLACE1000040//TRANSFORMING PROTEIN P21/K-RAS 2B.//1.40E-17//185aa//32%//P08643
  - C-PLACE1000061//Human ribosomal protein L37a mRNA sequence.//7.90E-54//190bp//94%//L22154
  - C-PLACE1000066//SSU72 PROTEIN.//1.10E-39//206aa//43%//P53538
  - C-PLACE1000081//Human SEC7 homolog Tic (TIC) mRNA, complete cds.//0//2077bp//99%//U63127
- 55 C-PLACE1000133/TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION FACTOR 3).//
  1.80E-62//158aa//81%//P20290
  - C-PLACE1000142//3-HYDROXYBUTYRYL-COA DEHYDRATASE (EC 4.2.1.55) (CROTONASE).//2.80E-29// 134aa//43%//P52046

- C-PLACE1000184//Homo sapiens estrogen-related receptor gamma mRNA, complete cds.//1.30E-305//1417bp// 98%//AF058291
- C-PLACE1000185//Homo sapiens mRNA for N-Acetylglucosamine kinase.//4.90E-258//1183bp//99%//AJ242910 C-PLACE1000213//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSI-
- DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//4.50E-05//197aa//26%//P08640
   C-PLACE1000383//Homo sapiens mRNA for MTMR1 protein.//0//753bp//99%//AJ224979
   C-PLACE1000401//POLIOVIRUS RECEPTOR PRECURSOR (CD155 ANTIGEN).//2.70E-30//352aa//31%//P15151
  - C-PLACE1000406//PTB-ASSOCIATED SPLICING FACTOR (PSF).//1.20E-132//334aa//72%//P23246
- 10 C-PLACE1000420//7,8-DIHYDRO-8-OXOGUANINE TRIPHOSPHATASE (EC 3.1.6.-) (8-OXO-DGTPASE).// 2.80E-06//134aa//29%//P53368
  - C-PLACE1000492//Rat vacuolar protein sorting homolog r-vps33b mRNA, complete cds.//0//2041bp//87%// U35245
  - C-PLACE1000547//Homo sapiens GDP-mannose pyrophosphorylase B (GMPPB) mRNA, complete cds.//3.70E-241//1124bp//98%//AF135421
    - C-PLACE1000583//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//1.60E-47//207aa//46%// P51522
    - C-PLACE1000588//INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 (GUANINE NUCLEOTIDE-BINDING PROTEIN 1).//1.60E-270//437aa//86%//P32455
- C-PLACE1000596//Homo sapiens mRNA for NS1-binding protein (NS1-BP).//0//1540bp//99%//AJ012449
   C-PLACE1000610//MSN5 PROTEIN.//0.0000026//136aa//26%//P52918
   C-PLACE1000611//Rattus norvegicus neural membrane protein 35 mRNA, complete cds.//2.00E-55//779bp//67%//AF044201
  - C-PLACE1000636//MALE STERILITY PROTEIN 2.//1.20E-39//261aa//27%//Q08891

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- C-PLACE1000653//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//0//1992bp// 99%//AF180371
  - C-PLACE1000656//Homo sapiens mRNA for JM4 protein, complete CDS (clone IMAGE 546750 and LLNLC110F1857Q7 (RZPD Berlin)).//2.10E-277//1260bp//99%//AJ005896
  - C-PLACE1000706//Homo sapiens transcriptional intermediary factor 1 gamma mRNA, complete cds.//0//1366bp//99%//AF119043
  - C-PLACE1000755//Homo sapiens mRNA for Helicase-MOI, complete cds.//4.60E-250//1189bp//97%//AB028449 C-PLACE1000769//Homo sapiens CGI-18 protein mRNA, complete cds.//0//1985bp//98%//AF132952
  - C-PLACE1000786//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENITAL DYSPLASIA PROTEIN HOMOLOG).//7.10E-09//59aa//47%//P52734
- 35 C-PLACE1000793//NEUROGENIC PROTEIN BIG BRAIN.//1.70E-07//251aa//24%//P23645 C-PLACE1000863//PUTATIVE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN YHR148W.//2.50E-49//181aa//54%//P32899
  - C-PLACE1000909//ANKYRIN REPEAT-CONTAINING PROTEIN AKR1.//2.60E-19//404aa//26%//P39010
  - C-PLACE1000977//BETA-CHIMAERIN (BETA-CHIMERIN).//4.40E-22//129aa//35%//Q03070
- 40 C-PLACE1000979//ZINC FINGER PROTEIN 135.//2.50E-153//326aa//64%//P52742
  - C-PLACE1000987//Rattus norvegicus late gestation lung 2 protein (Lgl2) mRNA, complete cds.//5.90E-278// 1476bp//92%//AF110195
  - C-PLACE1001036//Homo sapiens mRNA for alpha integrin binding protein 63, partial.//0//1988bp//99%//AJ131721 C-PLACE1001054//Homo sapiens mRNA for RuvB-like DNA helicase TiP49b, complete cds.//4.00E-300//1355bp//100%//AB024301
  - C-PLACE1001062//Homo sapiens mRNA for lysine-ketoglutarate reductase/saccharopine dehydrogenase, partial CDS.//1.60E-207//742bp//99%//AJ007714
  - C-PLACE1001092//Homo sapiens sorting nexin 4 mRNA, complete cds.//0//1500bp//99%//AF065485
  - C-PLACE1001104//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II).//6.80E-18//529aa//23%//Q99323
    - C-PLACE1001118//ZINC FINGER PROTEIN 135.//5.40E-147//443aa//57%//P52742
    - C-PLACE1001171//MYOTUBULARIN.//7.10E-84//198aa//73%//Q13496
    - C-PLACE1001238//Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds.//2.00E-202// 1333bp//80%//D14336
- 55 C-PLACE1001257//RING CANAL PROTEIN (KELCH PROTEIN).//4.30E-54//257aa//46%//Q04652 C-PLACE1001294//Mus musculus XY body protein (Xybp) mRNA, complete cds.//6.20E-223//1092bp//78%// AF120207
  - C-PLACE1001304//Homo sapiens C2H2 (Kruppel-type) zinc finger protein mRNA, complete cds.//0//2145bp//

99%//AF159567

- C-PLACE1001377//Homo sapiens ADAM10 (ADAM10) mRNA, complete cds.//5.90E-228//827bp//99%// AF009615
- C-PLACE1001383//ZINC-FINGER PROTEIN UBI-D4 (APOPTOSIS RESPONSE ZINC FINGER PROTEIN REQ-UIEM).//3.00E-33//138aa//42%//Q61103
  - C-PLACE1001387//EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8.//2.30E-61// 132aa//46%//Q12929
  - C-PLACE1001517//Homo sapiens gene for glycosylphosphatidylinositol anchor attachment 1 (GPAA1), complete cds.//4.60E-112//392bp//87%//AB002137
- C-PLACE1001602//CCR4-ASSOCIATED FACTOR 1 (CAF1).//5.70E-130//244aa//99%//Q60809
   C-PLACE1001632//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//1.40E-118//429aa//48%//P51523
  - C-PLACE1001672//PROBABLE AMINOTRANSFERASE T01B11.2 (EC 2.6.1.-).//4.30E-66//174aa//45%//P91408 C-PLACE1001692//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14) (THIOESTERASE II).//4.00E-81//263aa//56%//P08635
- (THIOESTERASE II).//4.00E-81//263aa//56%//P08635
  C-PLACE1001739//PUTATIVE ATP-DEPENDENT RNA HEUCASE PL10.//3.50E-75//439aa//41%//P16381
  C-PLACE1001748//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//0//2602bp//99%//AF061243
  C-PLACE1001771//Homo sapiens mRNA for transient receptor potential protein TRP6.//0//2900bp//99%//AJ006276
- 20 C-PLACE1001781//PROBABLE PHOSPHOMANNOMUTASE (EC 5.4.2.8) (PMM).//5.40E-63//427aa//35%//Q57290
  - C-PLACE1001817//Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds.// 0//1995bp//99%//AF058953
  - C-PLACE1001845//Mus musculus cyclin ania-6a mRNA, complete cds.//3.30E-31//925bp//62%//AF159159
- C-PLACE1001869//L-RIBULOKINASE (EC 2.7.1.16).//2.00E-27//270aa//31%//P94524
   C-PLACE1001920//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds.//0//1729bp//99%//AF099935
   C-PLACE1001983//HYPOTHETICAL 46.4 KD PROTEIN IN FFH-GRPE INTERGENIC REGION.//7.50E-16//319aa//26%//P37908
  - C-PLACE1001989//PUTATIVE AMIDASE (EC 3.5.1.4).//1.40E-78//496aa//37%//Q49091
- 30 C-PLACE1002046//UGATIN (FRAGMENT).//1.70E-240//560aa//80%//Q61211 C-PLACE1002073//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE).//5.30E-07//188aa//29%//P49606
  - C-PLACE1002090//SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (SRP72).//6.50E-58//112aa//100%// 076094
- C-PLACE1002140//Rattus norvegicus apelin mRNA, complete cds.//1.40E-43//425bp//74%//AF179679
  C-PLACE1002171//TRANSCRIPTION REGULATORY PROTEIN SWI3 (SWI/SNF COMPLEX COMPONENT SWI3) (TRANSCRIPTION FACTOR TYE2).//0.00005//179aa//23%//P32591
  C-PLACE1002395//Mus musculus mRNA for UBE-1c1, UBE-1c2, UBE-1c3, complete cds.//7.90E-100//966bp//75%//AB030505
- C-PLACE1002433//CHROMOSOME ASSEMBLY PROTEIN XCAP-E.//5.10E-05//278aa//24%//P50533
   C-PLACE1002437//ATP-BINDING CASSETTE TRANSPORTER 1.//4.50E-76//180aa//83%//P41233
   C-PLACE1002438//ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN).//4.20E-06//133aa//29%//Q13105
   C-PLACE1002450//Human zinc finger protein mRNA, complete cds.//0//2565bp//99%//U69274
   C-PLACE1002474//Mus musculus matrilin-2 precursor mRNA, complete cds.//0//2092bp//84%//U69262
- C-PLACE1002493//Homo sapiens signal transducing adaptor molecule 2A (STAM2) mRNA, complete cds.//1.70E-113//545bp//98%//AF042273
  - C-PLACE1002500//Rattus norvegicus zinc transporter (ZnT-2) mRNA, complete cds.//2.90E-58//465bp//80%// U50927
  - C-PLACE1002532//HOMEOBOX PROTEIN DLX-5.//1.20E-152//289aa//96%//P70396
- C-PLACE1002571//ACTIN-LIKE PROTEIN 13E.//5.00E-99//386aa//48%//P45890
   C-PLACE1002583//GLUTAMATE RECEPTOR, IONOTROPIC KAINATE 2 PRECURSOR (GLUTAMATE RECEPTOR 6) (GLUR-6) (GLUTAMATE RECEPTOR BETA-2) (GLUR BETA-2) (FRAGMENT).//5.60E-34//76aa//98%//P39087
  - C-PLACE1002591//CORONIN-UKE PROTEIN P57.//4.40E-70//208aa//66%//P31146
- C-PLACE1002598//OLIGORIBONUCLEASE (EC 3.1.-.-).//5.50E-17//76aa//56%//P45340
   C-PLACE1002655//ADSEVERIN (SCINDERIN) (SC).//2.50E-278//543aa//92%//Q28046
   C-PLACE1002665//Mus musculus enhancer of polycomb (Epc1) mRNA, complete cds.//0//2462bp//89%//AF079765

- C-PLACE1002685//Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced, complete cds.//0// 1750bp//99%//AF068180
- C-PLACE1002714//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II).//9.40E-13//500aa//21%//Q99323
- 5 C-PLACE1002722//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001.//9.00E-45//305aa//33%// Q15391
  - C-PLACE1002775//PEREGRIN (BR140 PROTEIN).//3.80E-13//272aa//28%//P55201
  - C-PLACE1002782//Rattus norvegicus zinc transporter (ZnT-2) mRNA, complete cds.//3.80E-43//385bp//77%// U50927
- 10 C-PLACE1002816//HISTONE DEACETYLASE HDA1.//2.20E-48//217aa//46%//P53973 C-PLACE1002834//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//5.50E-203//396aa//86%//P51522
  - C-PLACE1002908//Homo sapiens XGaIT-1 mRNA for galactosyltransferase I, complete cds.//0//1654bp//99%// AB028600
- C-PLACE1002991//PUTATIVE AMIDASE (EC 3.5.1.4).//1.40E-78//496aa//37%//Q49091
  C-PLACE1003030//Homo sapiens snRNA activating protein complex 190kD subunit (SNAP190) mRNA, complete cds.//8.50E-44//225bp//100%//AF032387
  C-PLACE1003045//POLYCYSTIN 2 (AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE TYPE IL PRO-
  - C-PLACE1003045//POLYCYSTIN 2 (AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE TYPE II PROTEIN) (POLYCYSTWIN) (R48321).//1.70E-05//150aa//24%//Q13563
- C-PLACE1003100//HEP27 PROTEIN (PROTEIN D).//2.60E-79//253aa//60%//Q13268
  C-PLACE1003174//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42).//3.80E-37//143aa//51%//P42743
  - C-PLACE1003176//Homo sapiens clone pHN1868 tyrosyl-DNA phosphodiesterase protein (TDP1) mRNA, partial cds.//1.70E-148//687bp//99%//AF182003
- C-PLACE1003190//SOF1 PROTEIN.//1.90E-110//325aa//48%//P33750
   C-PLACE1003238//PROBABLE G PROTEIN-COUPLED RECEPTOR KIAA0001.//4.90E-76//309aa//47%//Q15391
  - C-PLACE1003258//EARLY EMBRYOGENESIS ZYG-11 PROTEIN.//7.90E-22//70aa//47%//P21541
    C-PLACE1003302//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1).//6.90E-206//396aa//86%//
  - C-PLACE10033537/Homo sapiens breast cancer antiestrogen resistance 3 protein (BCAR3) mRNA, complete cds.//0//2435bp//99%//U92715
  - C-PLACE1003366//Homo sapiens otoferlin (OTOF) mRNA, complete cds.//1.40E-78//542bp//67%//AF107403 C-PLACE1003394//Homo sapiens RAB14 protein (RAB14) mRNA, complete cds.//2.60E-139//648bp//99%//AF152463
- 35 AF152463
  C-PLACE1003420//PUTATIVE MITOCHONDRIAL CARRIER YIL006W.//1.30E-40//278aa//36%//P40556
  C-PLACE1003493//ENDOTHELIAL CELL MULTIMERIN PRECURSOR.//1.70E-23//322aa//26%//Q13201
  C-PLACE1003519//H.sapiens hnRNP-E2 mRNA.//5.10E-218//905bp//99%//X78136

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- C-PLACE1003521//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III.//0.0000011//101aa//32%//Q09475
  - C-PLACE1003537//ENDOSOMAL P24A PROTEIN PRECURSOR (70 KD ENDOMEMBRANE PROTEIN) (PHE-ROMONE ALPHA-FACTOR TRANSPORTER) (ACIDIC 24 KD LATE ENDOCYTIC INTERMEDIATE COMPONENT).//7.70E-68//404aa//33%//P32802
- C-PLACE1003596//OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG .//2.60E-93//270aa//66%// 45 P46975
  - C-PLACE1003602//Homo sapiens mRNA expressed in placenta.//5.90E-278//1275bp//99%//D83200 C-PLACE1003605//HAP5 TRANSCRIPTIONAL ACTIVATOR.//0.00000023//82aa//35%//Q02516
  - C-PLACE1003611//Homo sapiens anaphase-promoting complex subunit 4 (APC4) mRNA, complete cds.//6.20E-169//683bp//99%//AF191338
- 50 C-PLACE1003625//ARMADILLO SEGMENT POLARITY PROTEIN.//3.20E-10//380aa//25%//P18824 C-PLACE1003669//TRICHOHYALIN.//5.60E-09//219aa//30%//P22793
  - C-PLACE1003704//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//8.00E-19//209aa//34%//Q08170
- C-PLACE1003709//Homo sapiens mitotic checkpoint kinase Bub1 (BUB1) mRNA complete cds.//6.20E-282//
  1316bp//98%//AF053305
  - C-PLACE1003738//ZINC FINGER PROTEIN 135.//9.60E-118//350aa//46%//P52742
  - C-PLACE1003760//Homo sapiens tetraspanin TM4-A mRNA, complete cds.//5.20E-289//1313bp//97%// AF133423

- C-PLACE1003885//POLY(A) POLYMERASE (EC 2.7.7.19) (PAP) (POLYNUCLEOTIDE ADENYLYLTRANS-FERASE).//3.70E-222//651aa//66%//P25500
- C-PLACE1003888//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC 3.1.4.11) (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) (FRAGMENT).//6.70E-113//501aa//46%//P10895
  - C-PLACE1003903//CTP SYNTHASE (EC 6.3.4.2) (UTP--AMMONIA LIGASE) (CTP SYNTHETASE).//1.40E-243//584aa//74%//P17812
  - C-PLACE1003915//PROBABLE ARGINYL-TRNA SYNTHETASE, CYTOPLASMIC (EC 6.1.1.19) (ARGININE-TRNA UGASE) (ARGRS).//2.40E-108//581aa//40%//Q05506
- 10 C-PLACE1003923//Homo sapiens p53 regulated PA26-T2 nuclear protein (PA26) mRNA, complete cds.//0// 1670bp//99%//AF033120
  - C-PLACE1003968//5'-AMP-ACTIVATED PROTEIN KINASE, GAMMA-1 SUBUNIT (AMPK GAMMA-1 CHAIN).// 2.40E-124//326aa//73%//P80385
  - C-PLACE1004104//Rattus norvegicus rsec5 mRNA, complete cds.//0//2384bp//86%//AF032666
- C-PLACE1004128//GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT 4 (TRANSDUCIN BETA CHAIN 4).//6.10E-181//340aa//96%//P29387
  - C-PLACE1004149//Rattus norvegicus GERp95 mRNA, complete cds.//3.30E-41//452bp//65%//AF195534
  - C-PLACE1004183//Homo sapiens for TOM1-like protein.//0//1279bp//97%//AJ010071
  - C-PLACE1004197//BUTYROPHILIN PRECURSOR (BT).//4.50E-10//208aa//27%//Q62556
- 20 C-PLACE1004203//Homo sapiens GPI-anchored membrane protein CDw108 precursor, mRNA, complete cds.// 0//1882bp//99%//AF069493
  - C-PLACE1004256//Mus musculus short coiled coil protein SCOCO (Scoc) mRNA, complete cds.//2.00E-93//960bp//76%//AF115778
  - C-PLACE1004258//Homo sapiens vanilloid receptor-like protein 1 (VRL-1) mRNA//0//1144bp//98%//AF129112
- C-PLACE1004270//TRANSMEMBRANE PROTEASE, SERINE 2 (EC 3.4.21.-).//9.70E-36//389aa//31%//O15393 C-PLACE1004277//Homo sapiens two pore domain K+ channel (TASK-2) mRNA, complete cds.//0//1498bp//99%//AF084830
  - C-PLACE1004302//SOF1 PROTEIN.//1.90E-110//325aa//48%//P33750

- C-PLACE1004316//H.sapiens mRNA for apoptosis specific protein.//0//1767bp//99%//Y11588
- 30 C-PLACE1004358//Homo sapiens connector enhancer of KSR-like protein CNK1 mRNA, complete cds.//0// 2512bp//99%//AF100153
  - C-PLACE1004428//PRISTANOYL-COA OXIDASE (EC 1.3.3.-).//1.20E-39//385aa//33%//Q63448
  - C-PLACE1004437//Human NAD\*-specific isocitrate dehydrogenase beta subunit precursor, mRNA, nuclear gene encoding mitochondrial protein, complete cds.//0//985bp//99%//U49283
- 35 C-PLACE1004460//MATERNAL TUDOR PROTEIN.//0.0000002//218aai/23%//P25823 C-PLACE1004471//ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)7/2.90E-56//276aai/41%//P51522
  - C-PLACE1004506//Homo sapiens carboxyl terminal LIM domain protein (CLIM1) mRNA, complete cds.//2.10E-16//402bp//62%//U90878
- 40 C-PLACE1004510//Homo sapiens TATA binding protein associated factor (TAFII150) mRNA, complete cds.// 3.40E-227//1037bp//99%//AF040701
  - C-PLACE1004550//Homo sapiens CGI-20 protein mRNA, complete cds.//3.50E-274//1305bp//97%//AF132954 C-PLACE1004564//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT).//0//525aa//99%//Q10568
- 45 C-PLACE1004629//PROTEIN OS-9 PRECURSOR.//7.70E-18//264aa//32%//Q13438
  - C-PLACE1004646//B.taurus mRNA for retinal pigment epithelial membrane receptor p63.//4.40E-42//985bp//59%//X66277
  - C-PLACE1004674//Homo sapiens calcium binding protein (ALG-2) mRNA, complete cds.//1.30E-195//982bp//96%//AF035606
- 50 C-PLACE1004743//PROBABLE N-END-RECOGNIZING PROTEIN (UBIQUITIN-PROTEIN LIGASE E3 COMPONENT) (N- RECOGNIN).//4.40E-35//578aa//27%//O60152
  - C-PLACE1004751//Homo sapiens mRNA for alpha2,3-sialyltransferase ST3Gal VI, complete cds.//7.10E-224//790bp//98%//AB022918
- C-PLACE1004777//N-CHIMAERIN (NC) (N-CHIMERIN) (ALPHA CHIMERIN) (A-CHIMAERIN).//1.90E-32// 259aa//32%//P30337
  - C-PLACE1004793//RETROVIRUS-RELATED ENV POLYPROTEIN.//5.20E-47//577aa//25%//P10267 C-PLACE1004804//ADENYLATE CYCLASE (EC 4.6.1.1) (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE).//4.70E-65//695aa//29%//Q01631

- C-PLACE1004814//SPLICING FACTOR, ARGININE/SERINE-RICH 4 (PRE-MRNA SPLICING FACTOR SRP75).//5.90E-19//196aa//36%//Q08170
- C-PLACE1004868//MALE STERILITY PROTEIN 27/3.90E-39//261aa//27%//Q08891
- C-PLACE1004902//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C.//9.30E-11//94aa//47%//O42643
  - C-PLACE1004918//L-LACTATE DEHYDROGENASE M CHAIN (EC 1.1.1.27) (LDH-A).//4.90E-48//198aa//44%//P06151
    - C-PLACE1004930//Homo sapiens MDC-3.13 isoform 2 mRNA, complete cds//0//1853bp//98%//AF099936 C-PLACE1004937//SEL-10 PROTEIN.//6.30E-125//357aa//58%//Q93794
- 10 C-PLACE1004969//HYPOTHETICAL 55.1 KD PROTEIN B0416.5 IN CHROMOSOME X.//2.00E-14//205aa// 26%//Q11073
  - C-PLACE1005052//Homo sapiens CGI-16 protein mRNA, complete cds.//6.6e-313//1413bp//99%//AF132950 C-PLACE1005102//RING CANAL PROTEIN (KELCH PROTEIN).//2.60E-56//565aa//30%//Q04652
  - C-PLACE1005176//Homo sapiens hypothalamus protein HT001 mRNA, complete cds.//3.90E-212//1040bp//
    - C-PLACE1005187//APAG PROTEIN.//3.80E-13//122aa//36%//P05636

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- C-PLACE1005243//SERINE/THREONINE PROTEIN KINASE PKPA (EC 2.7.1.-).//1.30E-27//349aa//32%//Q01577  $\cdot$
- C-PLACE1005287//INNER CENTROMERE PROTEIN (INCENP).//2.30E-13//269aa//28%//P53352
- 20 C-PLACE1005305//GTP:AMP PHOSPHOTRANSFERASE MITOCHONDRIAL (EC 2.7.4.10) (AK3).//2.00E-111// 226aa//92%//P08760
  - C-PLACE1005331//Homo sapiens 7h3 protein mRNA, partial cds.//1.20E-226//748bp//95%//AF209931 C-PLACE1005373//TRNA PSEUDOURIDINE SYNTHASE B (EC 4.2.1.70) (TRNA PSEUDOURIDINE 55 SYNTHASE) (PSI55 SYNTHASE) (PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE).//8.60E-09//194aa//27%//O33335
  - C-PLACE1005467//PENICILLIN-BINDING PROTEIN 4\* (PBP 4\*) (PBP 4A).//1.10E-09//93aa//31%//P32959 C-PLACE1005494//Homo sapiens mRNA for transient receptor potential protein TRP6.//0//1649bp//99%// AJ006276
  - C-PLACE1005530//HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III.//5.60E-52//173aa//57%//Q09251
  - C-PLACE1005549//Homo sapiens mRNA for Rho guanine nucleotide-exchange factor, splice variant NET1A.// 7.60E-97//1287bp//67%//AJ010046
  - C-PLACE1005557//60S RIBOSOMAL PROTEIN L27.//1.90E-11//60aa//48%//P46288
  - C-PLACE1005584//TRANS-ACTING TRANSCRIPTIONAL PROTEIN ICPQ (P135 PROTEIN) (IER 2.9/ER2.6).// 6.80E-09//267aa//30%//P29128
  - C-PLACE1005611//Mus musculus mRNA for mDj10, complete cds.//2.00E-33//379bp//66%//AB028860
    C-PLACE1005646//Homo sapiens RNA helicase-related protein mRNA, complete cds.//0//2130bp//99%//AF083255
  - C-PLACE1005656//RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE M2 CHAIN (EC 1.17.4.1) (RIBONUCLE-OTIDE REDUCTASE).//2.10E-148//321aa//83%//P31350
  - C-PLACE10057277/Homo sapiens STRIN protein (STRIN) mRNA, complete cds.//2.00E-118//378bp//98%// AF162680
  - C-PLACE1005739//INTERFERON-GAMMA INDUCIBLE PROTEIN MG11///1.30E-237//585aa//72%//Q60710
- C-PLACE1005763//S-ACYL FATTY ACID SYNTHASE THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14) (THIOESTERASE II).//2.50E-79//209aa//53%//P08635
  - C-PLACE1005803//Homo sapiens mRNA for transcription factor (SMIF gene).//0//1985bp//99%//AJ275986 C-PLACE1005804//Homo sapiens alpha 1,2-mannosidase IB mRNA, complete cds.//1.10E-217//994bp//99%//AF027156
  - C-PLACE1005813//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//0//2040bp//99%//AF065482
- 50 C-PLACE1005876//CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT).//0//730aa//99%//Q10568
  - C-PLACE1005890//BEM46 PROTEIN (FRAGMENT).//9.90E-42//224aa//43%//P54069
  - C-PLACE1005921//AIG1 PROTEIN.//3.00E-31//284aa//31%//P54120
  - C-PLACE1005951//Homo sapiens prolactin regulatory element-binding protein (PREB) mRNA, complete cds.// 1.10E-264//661bp//99%//AF203687
    - C-PLACE1005953//GLYCOSYLTRANSFERASE ALG2 (EC 2.4.1.-).//6.70E-30//198aa//37%//P43636 C-PLACE1005955/VACUOLAR AMINOPEPTIDASE I PRECURSOR (EC 3.4.11.22) (POLYPEPTIDASE)//5.40E-54//455aa//32%//P14904

- C-PLACE1005966//TRANSCRIPTION INITIATION FACTOR TFIID 90 KD SUBUNIT (TAFII-90)7/1.40E-07// 254aa//25%//P38129
- C-PLACE1006003//Homo sapiens CGI-94 protein mRNA, complete cds.//2.40E-177//829bp//99%//AF151852
- C-PLACE1006011//Homo sapiens mRNA for poly(ADP-ribose) polymerase-2.//0//1564bp//99%//AJ236876
- C-PLACE1006040//Homo sapiens mRNA for alpha endosulfine.//4.70E-161//744bp//99%//X99906
  C-PLACE1006119//Homo sapiens Ran-GTP binding protein mRNA, partial cds.//1.50E-148//681bp//99%//AF039023
  - C-PLACE1006157//E-SELECTIN PRECURSOR (ENDOTHELIAL LEUKOCYTE ADHESION MOLECULE 1) (ELAM-1) (LEUKOCYTE-ENDOTHELIAL CELL ADHESION MOLECULE 2) (LECAM2) (CD62E).//2.00E-28// 236aa//30%//P98110
  - C-PLACE1006167//PAF1 PROTEIN.//7.30E-15//437aa//24%//P38351

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- C-PLACE1006170//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT).//1.70E-169//373aa//88%//P17427
- C-PLACE1006196//PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06.//2.70E-116//496aa//48%//Q09747 C-PLACE1006239//BONE PROTEOGLYCAN II PRECURSOR (PG-S2) (DECORIN).//2.00E-16//244aa//31%//P28675
  - C-PLACE1006288//VOLTAGE-DEPENDENT ANION-SELECTIVE CHANNEL PROTEIN 1 (VDAC1) (PLASMA-LEMMAL PORIN) (OUTER MITOCHONDRIAL MEMBRANE PROTEIN PORIN) (PORIN 31HL) (PORIN 31HM).//
- 4.60E-117//147aa//80%//P21796
  C-PLACE1006318//Mus musculus skm-BOP2 (Bop) mRNA, complete cds.//3.00E-07//376bp//59%//U76374
  C-PLACE1006335//Homo sapiens NY-REN-50 antigen mRNA, partial cds.//0//1649bp//99%//AF155112
  C-PLACE1006368//HYALURONAN-MEDIATED MOTILITY RECEPTOR (HYALURONIC ACID RECEPTOR).//
  1.30E-18//460aa//24%//Q00547
- C-PLACE1006385//Homo sapiens epsin 2a mRNA, complete cds.//0//1168bp//99%//AF062085
   C-PLACE1006438//ZINC FINGER PROTEIN 165.//2.50E-45//122aa//43%//P49910
   C-PLACE1006469//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.20E-83//313aa//49%//P27550
   C-PLACE1006482//TRANSCRIPTION FACTOR MAFF.//7.70E-55//142aa//85%//Q90595
- 30 C-PLACE1006488//SIGNAL RECOGNITION PARTICLE 68 KD PROTEIN (SRP68).//1.10E-229//367aa//96%// Q00004
  - C-PLACE1006492//Homo sapiens transmembrane protein 2 (TMEM2) mRNA, complete cds.//0//2618bp//99%// AF137030
  - C-PLACE1006506//Homo sapiens anaphase-promoting complex subunit 4 (APC4) mRNA, complete cds.//0// 2170bp//99%//AF191338
  - C-PLACE1006531//Homo sapiens putative RNA-binding protein Q99 mRNA, complete cds.//0//1967bp//99%//AF093097
  - C-PLACE1006534//POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE (EC 2.4.1.41)(PROTEIN-UDPACETYLGALACTOSAMINYLTRANSFERASE)(UDP-GALNAC:POLYPEPTIDE, N-ACETYLGALACTOSAM-
- INYLTRANSFERASE) (GALNAC-T1).//8.30E-08//100aa//41%//Q10472
  C-PLACE1006552//MYOSIN HEAVY CHAIN, CLONE 203 (FRAGMENT).//1.20E-09//426aa//21%//P39922
  C-PLACE1006615//Homo sapiens eukaryotic translation initiation factor eIF3, p35 subunit mRNA, complete cds.// 0//1464bp//99%//U97670
  - C-PLACE1006626//Homo sapiens mRNA for Helicase-MOI, complete cds.//0//1760bp//99%//AB028449
- 45 C-PLACE1006678//Homo sapiens mRNA for type II membrane protein, complete cds, clone:HP10328.//5.80E-24//734bp//62%//AB015630
  - C-PLACE1006731//RIBOFLAVIN KINASE (EC 2.7.1.26) (FLAVOKINASE) / FMN ADENYLYLTRANSFERASE (EC 2.7.7.2) (FAD PYROPHOSPHORYLASE) (FAD SYNTHETASE).//6.90E-13//177aa//33%//Q59263
  - C-PLACE1006754//BILIARY GLYCOPROTEIN 1 PRECURSOR (BGP-1) (ANTIGEN CD66) (CD66A ANTIGEN).// 6.20E-63//191aa//43%//P13688
    - C-PLACE1006819//UNE-1 REVERSE TRANSCRIPTASE HOMOLOG.//9.80E-213//232aa//80%//P08547
      C-PLACE1006829//UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 4 (EC 3.1.2.15) (UBIQUITIN THIOLESTE-RASE 4) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 4) (DEUBIQUITINATING ENZYME 4) (UBIQUITIOUS NUCLEAR PROTEIN).//2.00E-15//188aa//29%//P35123
- 55 C-PLACE1006878/TRNA-SPLICING ENDONUCLEASE SUBUNIT SEN2 (EC 3.1.27.9) (TRNA-INTRON ENDO-NUCLEASE).//1.90E-08//122aa//36%//P16658
  - C-PLACE1006917//HSH49 PROTEIN.//5.50E-12//97aa//35%//Q99181
  - C-PLACE1006935//HYPOTHETICAL 95.2 KD PROTEIN R144.6 IN CHROMOSOME III.//6.70E-48//278aa//41%//

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- C-PLACE1006956//ATP-DEPENDENT PERMEASE MDL1.//1.30E-86//522aa//36%//P97998
- C-PLACE1006958//Homo sapiens mRNA for heat shock protein apg-1, complete cds.//0//1770bp//99%// AB023421
- 5 C-PLACE1007014//36 KD NUCLEOLAR PROTEIN HNP36 (DELAYED-EARLY RESPONSE PROTEIN 12) (DER12).//3.20E-35//180aa//33%//Q14542
  - C-PLACE1007105//Homo sapiens muskelin (MKLN1) mRNA, complete cds.//0//2449bp//98%//AF047489 C-PLACE1007140//TRICHOHYALIN.//1.30E-25//816aa//22%//P37709
  - C-PLACE1007226//PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (EC 1.-.-.)
  - (COPROPORPHYRINOGENASE) (COPROGEN OXIDASE).//1.00E-42//370aa//31%//P54304
    C-PLACE1007239//Homo sapiens mRNA for transcription elongation factor S-II, hS-II-T1, complete cds.//6.50E-216//1068bp//96%//D50495
    - C-PLACE1007243//UNC-47 PROTEIN.//1.70E-07//211aa//27%//P34579
    - C-PLACE1007257//Homo sapiens mRNA for dia-12c protein.//0//2052bp//99%//Y15908
- C-PLACE1007317//Drosophila melanogaster Adrift (adrift) mRNA, complete cds.//4.10E-17//1037bp//56%// AF117649
  - C-PLACE1007346//Homo sapiens estrogen-responsive B box protein (EBBP) mRNA, complete cds.//0//2366bp// 99%//AF096870
  - C-PLACE1007375//PHORBOL ESTER/DIACYLGLYCEROL-BINDING PROTEIN UNC-13.//0.00000044//127aa// 30%//P27715
  - C-PLACE1007409//WHTTE PROTEIN.//1.10E-64//428aa//32%//Q17320
  - C-PLACE1007416//DIPEPTIDYL PEPTIDASE IV (EC 3.4.14.5) (DPP IV) (T-CELL ACTIVATION ANTIGEN CD26) (TP103) (ADENOSINE DEAMINASE COMPLEXING PROTEIN-2) (ADABP).//8.80E-25//140aa//35%//P27487
  - C-PLACE1007488//PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FA-
- <sup>25</sup> CIOGENITAL DYSPLASIA PROTEIN HOMOLOG).//5.40E-53//426aa//33%//P52734
  C-PLACE1007511//KERATIN, TYPE I CYTOSKELETAL 19 (CYTOKERATIN 19) (K19) (CK 19).//1.40E-85//
  - 385aal/45%//P08728
  - C-PLACE1007537//Homo sapiens ankyrin repeat-containing protein ASB-2 mRNA, complete cds.//8.9e-316// 1485bp//98%//AF159164
- 30 C-PLACE1007547//HYPOTHETICAL 97.1 KD PROTEIN R05D3.4 IN CHROMOSOME III.//1.00E-49//361aa// 36%//P34537
  - C-PLACE1007598//ZINC FINGER PROTEIN 184 (FRAGMENT).//1.60E-143//666aa//44%//Q99676
  - C-PLACE1007632//POLIOVIRUS RECEPTOR PRECURSOR.//1.00E-07//228aa//31%//P32506
  - C-PLACE1007649//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSI-
- DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//4.50E-05//197aa//26%//P08640
  - C-PLACE1007688//LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG).// 8.70E-09//279aa//28%//Q26457
  - C-PLACE1007697//GCN20 PROTEIN.//7.60E-119//717aa//38%//P43535
  - C-PLACE1007705//Mus musculus mRNA for Ndr1 related protein Ndr3, complete cds.//1.10E-184//1096bp//82%//
  - C-PLACE1007706//Homo sapiens metalloprotease 1 (MP1) mRNA, complete cds.//0//3431bp//99%//AF061243
  - C-PLACE1007729//RETROVIRUS-RELATED PROTEASE (EC 3.4.23.-).//1.50E-44//231aa//42%//P10265
  - C-PLACE1007791//Homo sapiens IDN3-B mRNA, complete cds.//0//1836bp//99%//AB019602
  - C-PLACE1007897//Homo sapiens FLASH mRNA, complete cds.//0//2145bp//99%//AF154415
- 45 C-PLACE1007946//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II).//2.60E-14// 370aa//25%//Q99323
  - C-PLACE1007954//HYPOTHETICAL 45.5 KD PROTEIN IN FIG1-GIP1 INTERGENIC REGION.//6.70E-13// 168aa//31%//P38226
  - C-PLACE1007955//Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds.//0//2252bp//99%// AF084530
  - C-PLACE1007958//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//0//2300bp//99%//AF079529
  - C-PLACE1007969//HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN M (HNRNP M).//1.10E-36//202aa//
- 55 C-PLACE1008000//CHANNEL ASSOCIATED PROTEIN OF SYNAPSE-110 (CHAPSYN-110) (SYNAPTIC DEN-SITY PROTEIN PSD-93).//6.10E-14//128aa//39%//Q63622
  - C-PLACE1008044//NUCLEAR PORE COMPLEX PROTEIN NUP107 (NUCLEOPORIN NUP107) (107 KD NU-CLEOPORIN) (P105).//4.6e-318//613aa//94%//P52590

- C-PLACE1008080//Homo sapiens mRNA for HEXIM1 protein, complete cds.//0//2152bp//99%//AB021179 C-PLACE1008111//PROBABLE OXIDOREDUCTASE (EC 1.-.-).//3.00E-25//208aa//37%//Q03326 C-PLACE1008132//HYPOTHETICAL 127.4 KD PROTEIN F07F6.4 IN CHROMOSOME III.//1.30E-24//395aa//31%//Q09531
- C-PLACE1008177//TRICHOHYALIN.//2.30E-29//487aa//26%//P37709
  C-PLACE1008201//Rattus rattus zinc finger protein, complete cds.//0//2265bp//83%//L23077
  C-PLACE1008244//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//9.50E-21//148aa//38%//Q00808
  C-PLACE1008273//COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP).//1.30E-283//671aa//77%//P53620
- C-PLACE1008275//DNA REPAIR PROTEIN REV1 (EC 2.7.7.-).//2.30E-18//162aa//37%//P12689
  C-PLACE1008309//Rattus norvegicus putative four repeat ion channel mRNA, complete cds.//5.20E-137//672bp//77%//AF078779
  - C-PLACE1008330//EOSINOPHIL LYSOPHOSPHOLIPASE (EC 3.1.1.5) (CHARCOT-LEYDEN CRYSTAL PROTEIN) (LYSOLECITHIN ACYLHYDROLASE) (CLC) (GALACTIN-10).//2.20E-23//94aa//47%//Q05315
- C-PLACE1008356//Homo sapiens meningioma-expressed antigen 5 (MEA5) mRNA, partial cds.7/1.90E-170// 780bp//100%//AF036144
  - C-PLACE1008368//RING CANAL PROTEIN (KELCH PROTEIN).//5.30E-26//309aa//30%//Q04652 C-PLACE1008398//GENE 33 POLYPEPTIDE.//7.30E-114//243aa//87%//P05432
  - C-PLACE1008402//GENERAL VESICULAR TRANSPORT FACTOR P115 (TRAN-SCYTOSIS ASSOCIATED PROTEIN) (TAP).//0//698aa//95%//P41541
  - C-PLACE1008426//RESTIN (CYTOPLASMIC LINKER PROTEIN-170) (CLIP-170).//1.80E-11//365aa//25%//O42184
  - C-PLACE1008429//ANKYRIN HOMOLOG PRECURSOR.//3.10E-11//189aa//32%//Q06527

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- C-PLACE1008465//Homo sapiens mRNA for rapa-1 (rapa gene).//6.60E-243//1102bp//99%//AJ277275
- <sup>25</sup> C-PLACE1008533//101 KD MALARIA ANTIGEN (P101) (ACIDIC BASIC REPEAT ANTIGEN).//1.10E-09//62aa//48%//P22620
  - C-PLACE1008603//NUCLEAR PORE COMPLEX PROTEIN NUP155 (NUCLEOPORIN NUP155) (155 KD NU-CLEOPORIN) (P140).//7.80E-236//453aa//96%//P37199
  - C-PLACE1008627//Homo sapiens mRNA for cysteine-rich protein.//0//1850bp//99%//AJ006591
- C-PLACE1008643//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (III HEAVY CHAIN H2).//5.20E-90//483aa//38%//O02668
  C-PLACE1008650//PRL1/PRL2-LIKE PROTEIN.//2.00E-127//354aa//62%//O13615
  - C-PLACE1008696//Homo sapiens NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8) gene, nuclear gene encoding mitochondrial protein, complete cds.//0//3002bp//99%//AF03 8406
- 35 C-PLACE1008790//Homo sapiens importin alpha 7 subunit mRNA, complete cds.//o//1670bp//99%//AF060543 C-PLACE1008808//Homo sapiens mRNA for cell cycle checkpoint protein radlA.//2.30E-269//1225bp//99%// AJ004974
  - C-PLACE1008813//Rattus norvegicus rsec15 mRNA, complete cds.//8.80E-268//1171bp//90%//AF032668 C-PLACE1009020//NIFS PROTEIN.//3.90E-55//279aa//41%//P12623
- 40 C-PLACE1009027//Homo sapiens mRNA for doublecortin.//0//1919bp//99%//AJ003112
  - C-PLACE1009060//BRO1 PROTEIN.//6.70E-19//567aa//24%//P48582 C-PLACE1009094//FURIN-LIKE PROTEASE 2 PRECURSOR (EC 3.4.21.75) (FURIN 2).//1.90E-44//480aa//30%//P30432
  - C-PLACE1009099//ZINC FINGER PROTEIN 41 (FRAGMENT).//1.10E-179//452aa//67%//P51814
- 45 C-PLACE1009113//Homo sapiens X-ray repair cross-complementing protein 3 (XRCC3) mRNA, complete cds.// 0//2529bp//99%//AF035586
  - C-PLACE1009130/UBIQUITIN-PROTEIN LIGASE E3A (EC 6.3.2.-) (ONCOGENIC PROTEIN-ASSOCIATED PROTEIN E6-AP).//2.00E-68//181aa//43%//Q05086
  - C-PLACE1009158//Mus musculus mRNA for death inducer-obliterator-1 (Dio-1).//5.40E-200//1790bp//75%// AJ238332
    - C-PLACE1009186//Homo sapiens small zinc finger-like protein (TIM9b) mRNA, complete cds.//9.60E-255// 1179bp//98%//AF150105
    - C-PLACE1009246//POLLEN SPECIFIC PROTEIN SF3.//4.40E-16//82aa//43%//P29675
  - C-PLACE1009298//VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS35.//2.00E-78//262aa//43%// P34110
    - C-PLACE1009308//GLUCOSE REPRESSION MEDIATOR PROTEIN.//4.00E-06//439aa//23%//P14922 C-PLACE1009319//Rattus norvegicus outer membrane protein (OMP25) mRNA, complete cds; nuclear gene for mitochondrial product.//2.10E-132//1229bp//75%//AF107295

- C-PLACE1009368//METAL HOMEOSTASIS FACTOR ATX27/2.50E-10//151aa//29%//Q12067
- C-PLACE1009398//ZINC FINGER PROTEIN 135.//6.20E-97//361aa//51%//P52742
- C-PLACE1009404//HYPOTHETICAL 105.6 KD PROTEIN C16C9.06C IN CHROMOSOME I.//4.70E-08//165aa//33%//Q09820
- 5 C-PLACE1009443//Mus musculus F-box protein FBL8 mRNA, complete cds.//1.00E-173//1367bp//77%// AF176523
  - C-PLACE1009444//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KINASE) (PI4K-ALPHA).//7.80E-71//82aa//89%//P42356
  - C-PLACE1009468//PHOSPHOLIPASE A-2-ACTIVATING PROTEIN (PLAP).//3.10E-289//550aa//93%//P54319
- 10 C-PLACE1009476//PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III.//3.90E-40// 179aa//37%//P34580
  - C-PLACE1009477//Homo sapiens ubiquitin-fusion degradation protein 2 (UFD2) mRNA, complete cds.//6.60E-147//592bp//99%//AF043117
  - C-PLACE1009524//ARF NUCLEOTIDE-BINDING SITE OPENER (ARNO PROTEIN) (ARF EXCHANGE FACTOR)7/8.10E-99//228aa//75%//Q99418
  - C-PLACE1009571//Homo sapiens PTD002 mRNA, complete cds.//5.90E-185//857bp//99%//AF078857
    - C-PLACE1009596//VEGETATIBLE INCOMPATIBILITY PROTEIN HET-E-1.//5.10E-54//291aa//40%//Q00808
    - C-PLACE1009622//MATERNAL EFFECT PROTEIN STAUFEN.//1.30E-60//209aa//41%//P25159
    - C-PLACE1009659//MEMBRANE-ASSOCIATED PROTEIN HEM-2 (NAP1 PROTEIN).//1.50E-285//538aa//99%// P55161
      - C-PLACE1009670//Homo sapiens genethonin 1 mRNA, complete cds.//0//1854bp//100%//AF062534 C-PLACE1009708//HYPOTHETICAL 143.3 KD TRP-ASP REPEATS CONTAINING PROTEIN C12G12.13C IN CHROMOSOME I.//7.00E-33//166aa//43%//Q09876
      - C-PLACE1009721//MSF1 PROTEIN.//1.70E-22//176aa//33%//P35200
- <sup>25</sup> C-PLACE1009731//AIG1 PROTEIN.//1.60E-22//274aa//28%//P54120
  - C-PLACE1009763//Homo sapiens mRNA for Nedd8-activating enzyme hUba3, complete cds.//4.30E-294// 1329bp//100%//AB012190
  - C-PLACE1009798//RLR1 PROTEIN.//1.60E-18//270aa//23%//P53552
  - C-PLACE1009845//WEB1 PROTEIN (PROTEIN TRANSPORT PROTEIN SEC31).//2.30E-59//405aa//33%// P38968
    - C-PLACE1009861//CATHEPSIN B-LIKE CYSTEINE PROTEINASE 6 PRECURSOR (EC 3.4.22.-).//6.50E-28// 209aa//38%//P43510
    - C-PLACE1009908//HYPOTHETICAL GTP-BINDING PROTEIN IN SEH1-PRP20 INTERGENIC REGION.//1.90E-108//277aa//43%//P53145
- C-PLACE1009925//Homo sapiens RNA helicase (RIG-I) mRNA, complete cds.//0//1730bp//99%//AF038963
  C-PLACE1009992//LIMULUS CLOTTING FACTOR C PRECURSOR (EC 3.4.21.84).//4.60E-59//450aa//34%//P28175
  - C-PLACE1009997//Rattus norvegicus A-kinase anchoring protein AKAP 220 mRNA, complete cds.//5.20E-70//736bp//73 %//U48288
- 40 C-PLACE1010053//M.musculus Spnr mRNA for RNA binding protein.//6.00E-279//1402bp//94%//X84692 C-PLACE1010074//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//0//2019bp//99%//AF065482
  - C-PLACE1010096//100 KD PROTEIN (EC 6.3.2.-).//1.40E-268//506aa//98%//Q62671
  - C-PLACE1010105//RING CANAL PROTEIN (KELCH PROTEIN).//7.30E-114//537aa//44%//Q04652
- C-PLACE1010134//TRANSCRIPTION REGULATORY PROTEIN SNF2 (SWI/SNF COMPLEX COMPONENT SNF2) (REGULATORY PROTEIN SWI2) (REGULATORY PROTEIN GAM1) (TRANSCRIPTION FACTOR TYE3).//1.70E-20//156aa//42%//P22082
  - C-PLACE1010148//CYUCIN I (MULTIPLE-BAND POLYPEPTIDE I).//4.60E-07//431aa//23%//P35662
  - C-PLACE1010194//SPLICING FACTOR, ARGININE/SERINE-RICH 2 (SPLICING FACTOR SC35) (SC-35) (SPUCING COMPONENT, 35 KD) (PR264 PROTEIN).//9.80E-11//95aa//49%//Q01130
- 50 C-PLACE1010231//CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR (EMR1 HORMONE RECEPTOR).// 5.1 OE-27//371aa//28%//Q14246
  - C-PLACE1010261//SEGREGATION DISTORTER PROTEIN.//1.60E-77//214aa//62%//P25722
  - C-PLACE1010310//SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) (FRAGMENT).//1.20E-18//467aa//30%//P46804 C-PLACE1010321//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).//
- 55 1.10E-09//350aa//22%//P52178

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C-PLACE1010362//1-PHOSPHATIDYLINOSITOL PHOSPHODIESTERASE PRECURSOR (EC 3.1.4.10) (PHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHOLIPASE C) (PI-PLC).//2.00E-09//126aa//29%//P34024 C-PLACE1010481//Bos taurus C5-glucuronyl epimerase mRNA, partial cds//0//2082bp//91%//AF003927

- C-PLACE1010522//Homo sapiens mRNA for DEPP (decidual protein induced by progesterone), complete cds.// 0//1981 bp//99%//AB022718
- C-PLACE1010529//Homo sapiens TANK binding kinase TBK1 (TBK1) mRNA, complete cds.//0//1750bp//99%// AF191838
- 5 C-PLACE1010547//INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1.//1.20E-07//616aa//24%// P25386
  - C-PLACE1010579//Homo sapiens CED-6 protein (CED-6) mRNA, complete cds.//8.80E-300//1359bp//99%// AF191771
  - C-PLACE1010599//Homo sapiens Pex14 mRNA for peroxisomal membrane anchor protein, complete cds.//0// 1904bp//99%//AB017546
    - C-PLACE1010622//TROPONIN T, CARDIAC MUSCLE ISOFORMS (TNTC).//0.00000016//120aa//28%//P02642 C-PLACE1010628//Homo sapiens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene, partial cds.//7.50E-08//324bp//64%//AF109907
    - C-PLACE1010661//TESTIS-SPECIFIC PROTEIN PBS 13.//5.70E-75//423aa//39%//Q01755

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- 15 C-PLACE1010662//UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (EC 2.4.1.-) (DUGT).//1.80E-222//808aa//52%//Q09332
  - C-PLACE1010702//ZINC FINGER PROTEIN 43 (ZINC PROTEIN HTF6).//5.20E-151//427aa//55%//P28160 C-PLACE1010720//Homo sapiens mRNA for chromosome-associated polypeptide-C, complete cds.//4.00E-299// 1091bp//99%//AB019987
- 20 C-PLACE1010743//Homo sapiens myosin-IXb splice variant (Myo9b) mRNA, partial cds.//8.90E-91//668bp//82%// AF020267
  - C-PLACE1010761//Homo sapiens mRNA for cisplatin resistance-associated overexpressed protein, complete cds.//0//1448bp//99%//AB034205
  - C-PLACE1010771//M.musculus HCNGP mRNA.//7.40E-168//966bp//89%//X68061
- C-PLACE1010811//Rattus norvegicus mRNA for protein encoded by bdeight gene, partial.//1.60E-217//858bp// 87%//AJ010392
  - C-PLACE1010833//CALTRACTIN(CENTRIN).//0.0000001//154aa//28%//P41209
  - C-PLACE1010870//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.30E-143//407aa//58%//Q05481
- 30 C-PLACE1010896//NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110).//1.50E-25//583aa// 23%//P35580
  - C-PLACE1010926//HYPOTHETICAL 72.2 KD PROTEIN C12C2.05C IN CHROMOSOME II.//7.60E-23//103aa//53%//Q09746
  - C-PLACE1010942//Homo sapiens intersectin long isoform (ITSN) mRNA, complete cds.//0//1440bp//99%// AF114487
    - C-PLACE1010960//ACTIN-LIKE PROTEIN 13E.//5.30E-98//297aa//48%//P45890
    - C-PLACE1011041//Homo sapiens mRNA for BAP2-alpha protein, complete cds.//0//1701bp//97%//AB015019 C-PLACE1011046//1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA 1 (EC 3.1.4.11) (PLC-BETA-1) (PHOSPHOLIPASE C-BETA-1) (PLC-I) (PLC-154).//0//646aa//97%//P10894
- 40 C-PLACE1011056//HISTONE HI, GONADAL.//6.80E-13//154aa//37%//P02256
  - C-PLACE1011109//ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEFG).//1.50E-22//63aa//88%//Q07803
  - C-PLACE1011114//PROBABLE ATP-DEPENDENT RNA HELICASE HAS1.//2.90E-71//190aa//44%//Q03532 C-PLACE1011160//Homo sapiens HFB30 mRNA, complete cds.//0//1691bp//99%//AB022663
- 45 C-PLACE1011185//INSERTION ELEMENT IS1 PROTEIN INSB.//1.30E-89//167aa//100%//P03830 C-PLACE1011219//PROBABLE OXIDOREDUCTASE (EC 1.-.--).//3.20E-12//212aa//29%//Q03326 C-PLACE1011229//Homo sapiens ubiquitin-specific protease homolog (UPH) mRNA, complete cds.//2.30E-152//701bp//99%//AF153604
  - C-PLACE1011310//MYOSIN HEAVY CHAIN, GIZZARD SMOOTH MUSCLE.//3.50E-20//496aa//25%//P10587
- C-PLACE1011332//Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds.//7.20E-151// 697bp//99%//AF102265
  - C-PLACE1011340//Homo sapiens IDN3-B mRNA, complete cds.//1.20E-74//380bp//97%//AB019602 C-PLACE1011371//INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN H2 PRECURSOR (ITI HEAVY CHAIN H2).//1.70E-78//383aa//39%//Q61703
- C-PLACE1011399//Homo sapiens CGI-72 protein mRNA, complete cds.//3.20E-90//427bp//99%//AF151830
   C-PLACE1011433//TRANSCRIPTION FACTOR IIIA (FACTOR A) (TFIIIA).//3.00E-10//236aa//25%//P34695
   C-PLACE1011477//Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds.//0//2040bp//99%//AF065482
   C-PLACE1011492//NON-GREEN PLASTID TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR (CTPT).//

4.90E-11//147aa//32%//P52178

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- C-PLACE1011576//Human Kruppel related zinc finger protein (HTF10) mRNA, complete cds.//0//1791bp//82%// L11672
- C-PLACE1011586//Rattus norvegicus clone C53 CDK5 activator-binding protein mRNA, complete cds7/4.10E-259//1538bp//87%//AF177476
  - C-PLACE1011635//Homo sapiens heparan sulfate D-glucosaminyl 3-O-sulfotransferase-3B (3OST3B1) mRNA, complete cds.//0//1559bp//99%//AF105377
  - C-PLACE1011664//CROOKED NECK PROTEIN.//1.60E-187//505aa//64%//P17886
- C-PLACE1011858//Homo sapiens BAG-family molecular chaperone regulator-2 mRNA, complete cds.//1.30E-10 255//1179bp//99%//AF095192
  - C-PLACE1011896//Mus musculus Wnt10a mRNA, complete cds.//2.60E-287//1820bp//85%//U61969
  - C-PLACE1011922//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE B) (NMMHC-B).//1.30E-15//409aa//27%//P35580
  - C-PLACE1011923//Homo sapiens serum-inducible kinase mRNA, complete cds.//0//2782bp//99%//AF059617
- C-PLACE101-2031//Homo sapiens sorting nexin 13 (SNX13) mRNA, partial cds.//0//1701bp//100%//AF121862 C-PLACE2000014//HYPOTHETICAL HELICASE C28H8.3 IN CHROMOSOME III.//2.60E-42//104aa//49%// Q09475
  - C-PLACE2000015//EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15 (PROTEIN EPS15) (AF-1P PROTEIN).//1.10E-116//364aa//45%//P42566
- 20 C-PLACE2000021//Homo sapiens TRF1-interacting ankyrin-related ADP-ribose polymerase mRNA, complete cds.//2.70E-107//981bp//74%//AF082556
  - C-PLACE2000034//LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) (EC 3.1.3.48).//2.20E-29// 212aa//35%//P10586
  - C-PLACE2000039//DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC) (MAP 1C).//6.10E-293//388aa//99%//P38650
- C-PLACE2000062//Homo sapiens mRNA for type II membrane protein similar to HIV gp120-binding C-type lectin, complete cds, clone:HP01347.//6.30E-166//656bp//94%//AB015629
  - C-PLACE2000072//Homo sapiens ZNF202 beta (ZNF202) mRNA, complete cds.//0//3174bp//99%//AF027219 C-PLACE2000164//TIPD PROTEIN.//2.10E-59//481aa//33%//O15736
  - C-PLACE2000216//SPECTRIN BETA CHAIN, BRAIN (SPECTRIN, NON-ERYTHROID BETA CHAIN) (FODRIN BETA CHAIN) (SPTBN1).//6.60E-115//226aa//99%//Q01082
  - C-PLACE2000246//RING CANAL PROTEIN (KELCH PROTEIN).//6.00E-57//239aa//34%//Q04652
  - C-PLACE2000274//DYNEIN BETA CHAIN, CILIARY.//2.20E-167//880aa//37%//P23098
  - C-PLACE2000341//Homo sapiens sodium-dependent multivitamin transporter (SMVT) mRNA, complete cds.//0// 1554bp//99%//AF069307
- 35 C-PLACE2000371/TENSIN.//2.90E-78//561aa//37%//Q04205
  - C-PLACE2000373//F-SPONDIN PRECURSOR.//8.60E-16//371aa//28%//P35446
  - C-PLACE2000398//LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) (EC 3.1.3.48).//6.30E-37//90aa//98%//P10586
  - C-PLACE2000399//T-CELL SURFACE GLYCOPROTEIN E2 PRECURSOR (E2 ANTIGEN) (CD99) (MIC2 PROTEIN) (12E7).//1.60E-14//180aa//39%//P14209
  - C-PLACE2000404//PROBABLE LEUCYL-TRNA SYNTHETASE (EC 6.1.1.4) (LEUCINE--TRNA LIGASE) (LEURS).//9.90E-229//821aa//54%//Q09996
  - C-PLACE2000411//Homo sapiens epsin 2b mRNA, complete cds.//3.80E-271//642bp//99%//AF062085
  - C-PLACE2000427//PROBABLE HELICASE MOT1.//1.20E-26//200aa//27%//P32333
- C-PLACE2000438//POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PROTEIN-UDP ACETYLGALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N- ACETYLGALACTOS-AMINYLTRANSFERASE) (GALNAC-T1).//2.10E-86//348aa//41%//Q10472
  - C-PLACE2000458//CADHERIN-RELATED TUMOR SUPPRESSOR PRECURSOR (FAT PROTEIN).//2.50E-25// 165aa//40%//P33450
- 50 C-PLACE2000477//Homo sapiens putative secreted protein (ZSIG11) mRNA, complete cds.//6.70E-127//671bp// 94%//AF072733
  - C-PLACE3000009//DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (EC 2.7.7.6) (RPB1)(FRAGMENT).//3.50E-30//400aa//30%//P11414
- C-PLACE3000020//Homo sapiens type III adenylyl cyclase (AC-III) mRNA, complete cds.//0//2253bp//99%//
  AF033861
  - C-PLACE3000059//Mus musculus mRNA for ubiquitin conjugating enzyme.//0//1979bp//90%//Y17267
  - C-PLACE3000121//VESICULAR TRAFFIC CONTROL PROTEIN SEC157/1.90E-08//281aa//22%//P22224
  - C-PLACE3000145//TENSIN.//1.00E-108//277aa//75%//Q04205

- C-PLACE3000147//Homo sapiens metalloproteinase with thrombospondin type 1 motifs ADAMTS1 (ADAMTS1) mRNA, complete cds.//0//2043bp//99%//AF170084
- C-PLACE3000169//ZINC FINGER PROTEIN 135.//2.50E-90//358aa//47%//P52742
- C-PLACE3000218//Homo sapiens putative protein O-mannosyltransferase (POMT2) mRNA, complete cds.//0// 1862bp//98%//AF105020
  - C-PLACE3000242//Human trophinin mRNA, complete cds.//0//2290bp//99%//U04811

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- C-PLACE3000244//PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR).//0//1435aa//92%//P53995
- C-PLACE3000254//Homo sapiens transcriptional activator SRCAP (SRCAP) mRNA, complete cds.//0//4583bp//83%//AF143946
- C-PLACE3000339//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//9.60E-08//359aa//23%//P08640
  - C-PLACE3000350//SERINE/THREONINE-PROTEIN KINASE SULU (EC 2.7.1.-).//1.00E-54//418aa//38%// P46549
- C-PLACE3000416//Homo sapiens mRNA for actin binding protein ABP620, complete cds.//1.80E-141//565bp// 98%//AB029290
  - C-PLACE3000477//Homo sapiens phosphoprotein pp75 mRNA, partial cds.//0//3012bp//98%//AF153085 C-PLACE4000009//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE B) (NMMHC-B).//2.90E-54//626aa//29%//P35580
  - C-PLACE4000014//X-LINKED HEUCASE II (X-LINKED NUCLEAR PROTEIN) (XNP).//3.10E-111//348aa//41%// P46100
  - C-PLACE4000052//Homo sapiens ATP cassette binding transporter 1 (ABC1) mRNA, complete cds.//0//4661bp//99%//AF165281
  - C-PLACE4000063//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA- GLUCOSI-DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE),//1,70E-15//740aa//23%//P08640
- 25 C-PLACE4000100//Homo sapiens hydroxypyruvate reductase (GRHPR) gene, complete cds.//0//4199bp//97%// AF146689
  - C-PLACE4000128//Mus musculus putative transcription factor mRNA, complete cds.//1.60E-86//190aabp//88%//AF091234
  - C-PLACE4000156//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.40E-235//516aa//51%//Q05481
  - C-PLACE4000192//ZINC FINGER PROTEIN 142 (KIAA0236) (HA4654).//7.00E-22//369aa//25%//P52746 C-PLACE4000211//Homo sapiens BAZ2A mRNA for bromodomain adjacent to zinc finger domain 2A, complete cds.//0//5709bp//96%//AB032254
  - C-PLACE4000230//Mus musculus semaphorin VIa mRNA, complete cds.//0//2567bp//88%//AF030430
- 35 C-PLACE4000259//H.sapiens gene for U5 snRNP-specific 200kD protem.//0//5143bp//90%//Z70200
  - C-PLACE4000261//PEREGRIN (BR140 PROTEIN).//9.50E-10//128aa//34%//P55201
  - C-PLACE4000269//Rattus norvegicus rexo70 mRNA, complete cds.//0//2034bp//89%//AF032667
  - C-PLACE4000326//NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT SUPPRESSOR 1).//8.10E-24//319aa//31%//P30771
- 40 C-PLACE4000369//Homo sapiens thyroid hormone receptor-associated protein complex component TRAP240 mRNA, complete cds.//1.40E-185//1135bp//67%//AF117754
  - C-PLACE4000401//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//7.20E-22//54aa//62%//Q01576
  - C-PLACE4000431//H.sapiens gene for U5 snRNP-specific 200kD protein.//0//5142bp//90%//Z70200
- 45 C-PLACE4000450//Homo sapiens BAZ2A mRNA for bromodomain adjacent to zinc finger domain 2A, complete cds.//0//5709bp//96%//AB032254
  - C-PLACE4000489//PROTEIN GRAINY-HEAD (DNA-BINDING PROTEIN ELF-1) (ELEMENT I-BINDING ACTIVITY) (TRANSCRIPTION FACTOR NTF-1)7/5.70E-60//254aa//44%//P13002
  - C-PLACE4000522//NEUROGENIC LOCUS NOTCH PROTEIN HOMOLOG PRECURSOR (XOTCH PROTEIN).// 2.40E-191//828aa//48%//P21783
    - C-PLACE4000548//GLUCOAMYLASE S1/S2 PRECURSOR (EC 3.2.1.3) (GLUCAN 1,4-ALPHA-GLUCOSI-DASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE).//8.70E-13//784aa//21%//P08640
  - C-PLACE4000558//PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE FAF (EC 3.1.2.15) (UBIQUITIN THIOLESTERASE FAF) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE FAF) (DEUBIQUITINATING EN-
- 55 ZYME FAF) (FAT FACETS PROTEIN).//1.50E-26//252aa//35%//P55824
  - C-PLACE4000581//FIBROPELLIN I PRECURSOR (EPIDERMAL GROWTH FACTOR-RELATED PROTEIN 1) (UEGF-1).//9.30E-70//226aa//52%//P10079
  - C-PLACE4000650//TUBERIN (TUBEROUS SCLEROSIS 2 HOMOLOG PROTEIN).//7.90E-17//201aa//34%//

## P49816

AB021663

- C-PLACE4000654//Mus musculus mRNA for ubiquitin conjugating enzyme.//0//6340bp//87%//Y17267
- C-SKNMC1000011//PUTATIVE IMPORTIN BETA-4 SUBUNIT (KARYOPHERIN BETA-4 SUBUNIT).//5.50E-35//431aa//29%//O60100
- C-SKNMC1000013//Homo sapiens ATP-binding cassette protein M-ABC1 mRNA, nuclear gene encoding mitochondrial protein, complete cds7/0//2384bp//99%//AF047690
   C-SKNMC1000046//Homo sapiens liprin-alpha3 mRNA, partial cds.//1.90E-162//749bp//99%//AF034800
   C-SKNMC1000050//CALPAIN 2, LARGE [CATALYTIC] SUBUNIT (EC 3.4.22.17) (CALCIUM-ACTIVATED NEU-
- TRAL PROTEINASE) (CANP) (M-TYPE).//3.20E-41//87aa//98%//P17655

  C-SKNMC1000091//Homo sapiens mRNA for leucine-zipper protein, complete cds.//6.10E-190//872bp//99%//
  - C-THYRO1000034/TRICHOHYALIN.//9.40E-10//176aa//30%//P37709
  - C-THYRO1000072//MYOSIN UGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (EC 2.7.1.117) (MLCK) [CONTAINS: TELOKIN].//3.40E-16//201aa//29%//P11799
- C-THYRO1000085//PAIRED BOX PROTEIN PAX-8, ISOFORMS 8A/8B.//2.00E-72//155aa//92%//Q06710 C-THYRO1000121//Rattus norvegicus CTD-binding SR-like protein rA8 mRNA, complete cds.//0//1737bp//87%// U49055
  - C-THYRO1000132//Homo sapiens echinoderm microtubule-associated protein homolog HuEMAP mRNA, complete cds.//1.10E-159//824bp//95%//U97018
- C-THYRO1000173//Homo sapiens AP-mu chain family member mulB (HSMU1B) mRNA, complete cds.//0//
   1713bp//99%//AF020797
   C-THYRO1000197//Homo sapiens mRNA for poly(A)-specific ribonuclease.//0//2362bp//99%//AJ005698
  - C-THYRO1000242//ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2).//5.00E-118//239aa//66%//P51523
- C-THYRO1000288//Homo sapiens mRNA for Hs Ste24p, complete cds.//0//2161bp//99%//AB016068
  C-THY-RO1000327//Homo sapiens autocrine motility factor receptor (AMFR) mRNA, complete cds.//0//1567bp//99%//AF124145
  - C-THYRO1000343//ATROPHIN-1 (DENTATORUBRAL-PALUDOLUYSIAN ATROPHY PROTEIN).//4.90E-06//280aa//31%//P54259
- C-THYRO1000358//SELENIUM-BINDING LIVER PROTEIN.//2.30E-229//237aa//79%//P17563
  C-THYRO1000394//Homo sapiens peroxisomal membrane protein PMP 24 mRNA, complete cds.//1.20E-299//1325bp//99%//AF072864
  - C-THYRO1000395//Homo sapiens actin-binding protein (IPP) mRNA, complete cds.//0//2092bp//99%//AF156857 C-THYRO1000401//Human TcD37 homolog (HTcD37) mRNA, partial cds.//1.10E-90//430bp//99%//U67085
- C-THYRO1000488//Homo sapiens HFB30 mRNA, complete cds.//0//2254bp//100%//AB022663
  C-THYRO1000501//52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A))/(RO(SS-A)).//
  4.20E-98//408aa//42%//P19474
  - C-THYRO1000569//Mus musculus hematopoietic zinc finger protein mRNA, complete cds.//0//1557bp//91%//
- 40 C-THYRO1000585//Homo sapiens protein associated with Myc mRNA, complete cds.//0//1901bp//99%// AF075587
  - C-THYRO1000605//Homo sapiens histone acetyltransferase (HBOa) mRNA, complete cds.//0//3080bp//99%// AF140360
- C-THYRO1000662//Homo sapiens XPV mRNA for DNA polymerase eta, complete cds.//0//2341 bp//99%//
  45 AB024313
  - C-THYRO1000666//Mus musculus mRNA for kinesin like protein 9.//0//2001bp//86%//AJ132889
  - C-THYRO1000684//Homo sapiens BAG-family molecular chaperone regulator-5 mRNA, complete cds.//0//3347bp//99%//AF095195
  - C-THYRO1000748//RHO-GAP HEMATOPOIETIC PROTEIN C1 (P115) (KIAA0131).//3.30E-96//335aa//52%// P98171
  - C-THYRO1000756//ALPHA-N-ACETYLGALACTOSAMINIDE ALPHA-2,6-SIALYLTRANSFERASE (EC 2.4.99.-) (ST6GALNACIII)(STY).//1.80E-55//243aa//42%//Q64686
  - C-THYRO1000783//Xenopus laevis tail-specific thyroid hormone up-regulated (gene 5) mRNA, complete cds.// 2.40E-157//1656bp//70%//U37373
- C-THYRO1000852//Human branched-chain amino acid aminotransferase (ECA40) mRNA, complete cds.//1.40E-137//689bp//96%//U62739
  - C-THYRO1000926//Homo sapiens cAMP-specific phosphodiesterase 8B (PDE8B) mRNA, partial cds.//0// 2387bp//99%//AF079529

- C-THYRO11000934//PYRROLINE-5-CARBOXYLATE REDUCTASE (EC 1.5.1.2) (P5CR) (P5C REDUCTASE).// 7.50E-57//315aa//43%//P32322
- C-THYRO1000951//DIHYDROXYACETONE KINASE 2 (EC 2.7.1.29) (GLYCERONE KINASE).//5.00E-83//566aa//37%//P43550
- C-THYRO1000983//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B).//6.30E-17//143aa//39%//P35132
   C-THYRO1001003//UBIQUITIN-CONJUGATING ENZYME E2-21.2 KD (EC 6.3.2.19) (UBIQUITIN-PROTEIN

UGASE) (UBIQUITIN CARRIER PROTEIN).//5.90E-14//84aa//41%//P52491

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- C-THYRO1001033//TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521.//8.40E-12//167aa//29%//P31948
  C-THYRO1001100//ZINC FINGER X-UNKED PROTEIN ZXDA (FRAGMENT).//1.20E-67//245aa//62%//P98168
  C-THYRO1001120//Homo sapiens deltex (Dx) mRNA, complete cds.//1.30E-110//1947bp//65%//AF053700
  C-THYRO1001134//Homo sapiens CGI-78 protein mRNA, complete cds.//0//1898bp//99%//AF151835
  C-THYRO1001189//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.10E-200//546aa//
  - C-THYRO1001189//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.10È-200//546aa//62%//Q05481
- C-THYRO1001204//Homo sapiens cathepsin Z precursor (CTSZ) gene, exons 4, 5, and 6 and complete cds; and TH1 gene partial sequence.//3.80E-100//478bp//99%//AF136276
  C-THYRO1001287//MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE (EC 3.2.1.113) (MAN(9)-ALPHA-MANNOSIDASE) (FRAGMENT).//3.40E-51//429aa//33%//P45701
  - C-THYRO1001313//Homo sapiens sorting nexin 11 (SNX11) mRNA, complete cds.//0//2330bp//94%//AF121861 C-THYRO1001347//Homo sapiens RAN binding protein 16 mRNA, complete cds.//2.00E-263//3101bp//68%//
  - C-THYRO100134///Homo sapiens RAN binding protein 16 mRNA, complete cds.//2.00E-263//3101bp//68%//
    AF064729
    C-THYRO1001374//CYTOSOLIC ACYL COENZYME A THIOESTER HYDROLASE (EC 3.1.2.2) (LONG CHAIN
    - C-THYRO1001374//CYTOSOLIC ACYL COENZYME A THIOESTER HYDROLASE (EC 3.1.2.2) (LONG CHAIN ACYL-COA THIOESTER HYDROLASE) (CTE-II).//1.80E-13//361aa//22%//O00154 C-THYRO1001405//PLECTIN.//6.90E-19//450aa//27%//P30427
- 25 C-THYRO1001406//PUTATIVE STEROID DEHYDROGENASE KIK-I (EC 1.1.1.-).//1.10E-131//219aa//81%// O70503
  - C-THYRO1001458//MYOSIN HEAVY CHAIN, NONMUSCLE TYPE B (CELLULAR MYOSIN HEAVY CHAIN, TYPE B) (NMMHC-B).//2.70E-171//559aa//59%//P35580
  - C-THYRO1001617//Homo sapiens cDNA for dihydroxyacetone phosphate acyltransferase (DAP-AT).//0//1784bp//99%//AJ002190
  - C-THYRO1001656//Homo sapiens Leman coiled-coil protein (LCCP) mRNA, complete cds.//4.10E-273//1947bp//82%//AF175968
  - C-THYRO1001671//Homo sapiens mRNA for 2'-5' oligoadenylate synthetase 59 kDa isoform.//0//1820bp//99%// AJ225089
- C-THYRO1001703//NIFR3-LIKEPROTEIN.//2.90E-32//282aa//32%//P45672
  C-THYRO1001721//RING CANAL PROTEIN (KELCH PROTEIN).//9.30E-34//220aa//38%//Q04652
  - C-THYRO1001738//TUBULIN--TYROSINE LIGASE (EC 6.3.2.25) (TTL).//2.40E-20//217aa//30%//P38584
- C-THYRO1001809//MYOCYTE NUCLEAR FACTOR (MNF).//1.40E-74//158aa//89%//P42128
- C-Y79AA1000013//Mus musculus RING finger protein A07 mRNA, complete cds.//8.90E-205//1435bp//81%//
  40 AF171060
  - C-Y79AA1000033//Homo sapiens CARD4 mRNA, complete cds.//0//2929bp//96%//AF126484
  - C-Y79AA1000037//DNA-BINDING PROTEIN BMI-1.//2.40E-30//80aa//60%//P25916
  - C-Y79AA1000059//Homo sapiens aryl-hydrocarbon interacting protein-like 1 (AIPL1) gene, complete cds.//0//980bp//96%//AF180472
- 45 C-Y79AA1000181//Homo sapiens CGI-01 protein mRNA, complete cds.//0//1858bp//99%//AF132936 C-Y79AA1000214//Homo sapiens histone H2A.F/Z variant (H2AV) mRNA, complete cds.//7.10E-71//345bp// 100%//AF081192
  - C-Y79AA1000231//Homo sapiens nucleolar protein NOP5/NOP58 mRNA, complete cds.//0//1515bp//99%//-AF123534
- 50 C-Y79AA1000268//Mus musculus Nip21 mRNA, complete cds.//2.10E-50//648bp//64%//AF035207
  - C-Y79AA1000313//CALPHOTIN.//0.000011//336aa//23%//Q02910
  - C-Y79AA1000328//SEL-10 PROTEIN.//0.000000067//219aa//25%//Q93794
  - C-Y79AA1000342//Homo sapiens Ciz1 mRNA, complete cds.//0//2644bp//81%//AB030835
  - C-Y79AA1000346//Homo sapiens nonclathrin coat protein gamma2-COP mRNA, complete cds.//0//2520bp//99%//AF157833
    - C-Y79AA1000349//M.musculus Spnr mRNA for RNA binding protein.//0//2048bp//93%//X84692
    - C-Y79AA1000368//REDUCED VIABILITY UPON STARVATION PROTEIN 161.//4.00E-20//261aa//27%//P25343
    - C-Y79AA1000469//Mus musculus ancient ubiquitous 46 kDa protein AUP1 precursor (Aup1) mRNA, complete

cds.//8.30E-252//1207bp//85%//U41736

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- C-Y79AA1000540//CELL POLARITY PROTEIN TEA1.//2.10E-12//211aa//33%//P87061
- C-Y79AA1000560//ALPHA-ADAPTIN C (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 ALPHA-C LARGE CHAIN) (100 KD COATED VESICLE PROTEIN C) (PLASMA MEMBRANE ADAPTOR HA2/AP2 ADAPTIN ALPHA C SUBUNIT)7/0//652aa//98%//P17427
  - C-Y79AA1000589//32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION.//2.40E-27//216aa//34%//P28320 C-Y79AA1000627//Homo sapiens zinc finger protein (ZF5128) mRNA, complete cds.//2.00E-287//2031bp//82%// AF060503
  - C-Y79AA1000705//M.musculus mRNA of enhancer-trap-locus 1.//5.80E-254//1477bp//84%//X69942
- 10 C-Y79AA1000734//Homo sapiens peroxisomal biogenesis factor (PEX11b) mRNA, complete cds.//0//1594bp// 99%//AF093670
  - C-Y79AA1000748//Rattus norvegicus clone C42 CDK5 activator-binding protein mRNA, complete cds.//6.60E-286//1832bp//84%//AF177477
  - C-Y79AA1000752//PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X) (CBP).// 4.90E-91//200aa//64%//Q61990
  - C-Y79AA1000782//CYTOSOLIC PURINE 5'-NUCLEOTIDASE (EC 3.1.3.5).//3.00E-37//469aa//27%//P49902 C-Y79AA1000784//Homo sapiens RanBP7/importin 7 mRNA, complete cds.//1.10E-236//1076bp//99%//AF098799
  - C-Y79AA1000794//Homo sapiens actin-associated protein 2E4/kaptin (2E4) mRNA, 2E4-1 allele, complete cds.// 0//1610bp//99%//AF105369
  - C-Y79AA1000800//Homo sapiens putative secreted protein (ZSIG11) mRNA, complete cds.//1.60E-284//1288bp//99%//AF072733
  - C-Y79AA1000833//TUBULIN ALPHA-1 CHAIN.//5.00E-173//220aa//79%//P05209
  - C-Y79AA1000962//MYOSIN HEAVY CHAIN, NON-MUSCLE (ZIPPER PROTEIN) (MYOSIN II)7/4.20E-17//430aa//27%//Q99323
  - C-Y79AA1000966//Homo sapiens COP9 complex subunit 4 mRNA, complete cds.//0//1586bp//99%//AF100757 C-Y79AA1000968//Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds.//3.90E-248//1468bp//87%//U38253
  - C-Y79AA1000985//Human centrosomal protein kendrin mRNA, complete cds.//4.70E-151//985bp//87%//U52962 C-Y79AA1001048//ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR (EC 1.3.99.-) (VLCAD).//3.10E-138//583aa//47%//P45953
    - C-Y79AA1001211//Homo sapiens origin recognition complex subunit 6 (ORC6) mRNA, complete cds.//0//1435bp//99%//AF139658
    - C-Y79AA1001233//ESTRADIOL 17 BETA-DEHYDROGENASE 1 (EC 1.1.1.62) (17-BETA-HSD 1) (17-BETA-HY-DROXYSTEROID DEHYDROGENASE 1).//7.70E-50//228aa//42%//P51657
    - C-Y79AA1001236//Homo sapiens cell division protein mRNA, complete cds.//0//1612bp//99%//AF063015 C-Y79AA1001299//Homo sapiens mRNA for integrase interactor 1b protein (INI1B).//0//996bp//99%//AJ011738
    - C-Y79AA1001312//ZINC FINGER PROTEIN MLZ-4 (ZINC FINGER PROTEIN 46).//0.0000000023//193aa//30%//Q03309
- 40 C-Y79AA1001323//Mus musculus mRNA for GSG1, complete cds.//3.30E-172//1171bp//83%//D87325 C-Y79AA1001384//Homo sapiens very large G-protein coupled receptor-1 (VLGR1) mRNA, complete cds.//0// 4708bp//99%//AF055084
  - C-Y79AA1001391//HOMEOBOX PROTEIN HOX-A13 (HOX-1J).//1.20E-58//178aa//66%//P31271
  - C-Y79AA1001394//CELL DIVISION PROTEIN FTSH HOMOLOG (EC 3.4.24.-),//1.20E-13//230aa//32%//O83746
- 45 C-Y79AA1001402//Homo sapiens paraneoplastic cancer-testis-brain antigen (MA4) mRNA, partial cds.//8.50E-65//784bp//62%//AF083115
  - C-Y79AA1001493//UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (EC 6.3.2.19) (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B).//3.80E-18//151aa//38%//P35132
  - C-Y79AA1001533//Mouse mRNA for RNA polymerase I associated factor (PAF53), complete cds.//4.50E-193// 1333bp//80%//D14336
  - C-Y79AA1001548//PHOSPHATIDYLINOSITOL 4-KINASE ALPHA (EC 2.7.1.67) (PI4-KINASE) (PTDINS-4-KI-NASE) (PI4K-ALPHA).//7.50E-76//85aa//90%//P42356
  - C-Y79AA1001581//ACETYL-COENZYME A SYNTHETASE (EC 6.2.1.1) (ACETATE--COA LIGASE) (ACYL- ACTIVATING ENZYME).//1.90E-40//482aa//27%//P27550
- 55 C-Y79AA1001594//HYALURONAN-MEDIATED MOTILITY RECEPTOR (HYALURONIC ACID RECEPTOR).//
  2.50E-14//410aa//24%//Q00547
  - C-Y79AA1001603//POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE (EC 2.4.1.41) (PROTEIN-UDP ACETYLGALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N- ACETYLGALACTOS-

- AMINYLTRANSFERASE) (GALNAC-T1).//1.70E-84//313aa//48%//Q07537
- C-Y79AA1001613//ZINC FINGER PROTEIN 132.//3.80E-91//209aa//41%//P52740
- C-Y79AA1001679//Homo sapiens lambda-crystallin mRNA, complete cds.//3.4e-310//1430bp//98%//AF077049 C-Y79AA1001692//Mus musculus strain C57BL/J germ cell-less protein (Gc1) mRNA, complete cds.//1.40E-78//
- 5 227aa//40%//Q01820

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- C-Y79AA1001705//Homo sapiens p53 regulated PA26-T2 nuclear protein (PA26) mRNA, complete cds.//3.40E-47//626bp//68%//AF033120
- C-Y79AA1001711//Human 60-kdal ribonucleoprotein (Ro) mRNA, complete cds.//1.20E-258//1185bp//99%// J04137
- 10 C-Y79AA1001827//Homo sapiens mammalian inositol hexakisphosphate kinase 2 (IP6K2) mRNA, complete cds.// 0//1689bp//98%//AF177145
  - C-Y79AA1001866//Homo sapiens zinc finger protein ZNF180 (ZNF180) mRNA, complete cds.//0//2927bp//97%//AF192913
  - C-Y79AA1001874//OX40L RECEPTOR PRECURSOR (ACT35 ANTIGEN) (TAX-TRANSCRIPTIONALLY ACTI-
- VATED GLYCOPROTEIN 1 RECEPTOR) (CD134 ANTIGEN).//4.50E-08//135aa//31%//P43489
  - C-Y79AA1001875//RAS-RELATED PROTEIN RAB-7.//9.40E-12//34aa//97%//P51149
  - C-Y79AA1001923//Homo sapiens F-box protein Fbx22 (FBX22) gene, partial cds.//7.10E-52//279bp//97%// AF174602
  - C-Y79AA1001963//PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C.//1.00E-10//94aa//47%//O42643
  - C-Y79AA1002027//UBIQUITIN-CONJUGATING ENZYME E2-18 KD (EC 6.3.2.19) (UBIQUITIN- PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PM42).//9.90E-39//143aa//52%//P42743
  - C-Y79AA1002083//H.sapiens mRNA for MUF1 protein.//5.00E-163//752bp//99%//X86018
  - C-Y79AA1002103//ZINC FINGER PROTEIN ZFP-36 (FRAGMENT).//3.00E-257//549aa//76%//P16415
- <sup>25</sup> C-Y79AA1002139//DNAJ PROTEIN HOMOLOG 1 (DROJ1).//9.00E-17//120aa//45%//Q24133
  - C-Y79AA1002204//COMPLEXIN 2 (SYNAPHIN 1) (921-L).//7.50E-09//131aa//35%//Q13329 C-Y79AA1002208//ANKYRIN.//8.10E-34//188aa//38%//Q02357
  - C-Y79AA1002209/TYROSYL-TRNA SYNTHETASE (EC 6.1.1.1) (TYROSINE--TRNA LIGASE) (TYRRS).//1.60E-72//437aa//39%//P00952
- 30 C-Y79AA1002210//TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, ENDOTHELIAL (B12 PROTEIN).//0.0000018//140aai/25%//Q13829
  - C-Y79AA1002211//PHOSPHATIDYLETHANOLAMINE-BINDING PROTEIN HOMOLOG F40A3.3.//1.70E-17// 146aa//35%//O16264
  - C-Y79AA1002229//DNA CROSS-LINK REPAIR PROTEIN PSO2/SNM1.//7.10E-17//213aa//31%//P30620
- 35 C-Y79AA1002246//SYNAPTOTAGMIN V.//1.60E-28//286aa//32%//O00445
  - C-Y79AA1002258//Homo sapiens mRNA for HIP1R, complete cds.//0//2106bp//99%//AB013384
  - C-Y79AA1002307//Homo sapiens astrotactin2 (ASTN2) mRNA, complete cds.//0//1209bp//99%//AF116574
  - C-Y79AA1002311//R norvegicus mRNA for cytosolic resiniferatoxin-binding protein.//2.90E-186//1130bp//82%//
- 40 C-Y79AA1002361//Rattus norvegicus mRNA for protein phosphatase 1 (GL-subunit).//6.90E-140//966bp//82%// Y18208
  - C-Y79AA1002399//Homo sapiens mRNA for sperm protein.//0//1163bp//95%//X91879
  - C-Y79AA1002416//Mus musculus CTP synthetase homolog (CTPsH) mRNA, complete cds.//3.9e-317//1902bp//
- C-Y79AA1002431//TRANSDUCIN-LIKE ENHANCER PROTEIN 2 (ESG2).//9.80E-62//318aa//35%//Q04725 C-Y79AA1002433//Homo sapiens chromatin- specific transcription elongation factor FACT 140 kDa subunit mR-NA, complete cds.//0//1545bp//96%//AF152961
  - C-Y79AA1002472//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//1.50E-136//472aa//49%//Q05481
- 50 C-Y79AA1002482//ZINC FINGER PROTEIN 91 (ZINC FINGER PROTEIN HTF10) (HPF7).//2.70E-137//340aa// 51%//Q05481
  - C-Y79AA1002487//Homo sapiens chromosome 5 F-box protein Fbx4 (FBX4) mRNA, complete cds.//7.3e-311// 1444bp//98%//AF129534

# Claims

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1. Use of an oligonucleotide as a primer for synthesizing the polynucleotide comprising the nucleotide sequence set

forth in any one of SEQ ID NOs: 1-5547 and SEQ ID NOs: 16111-16164, or the complementary strand thereof, wherein said oligonucleotide is complementary to said polynucleotide or the complementary strand thereof and comprises at least 15 nucleotides.

- 2. A primer set for synthesizing polynucleotides, the primer set comprising an oligo-dT primer and an oligonucleotide complementary to the complementary strand of the polynucleotide comprising the nucleotide sequence set forth in any one of SEQ ID NOs: 1-5547 and SEQ ID NOs: 16111-16164, wherein said oligonucleotide comprises at least 15 nucleotides.
- 3. A primer set for synthesizing polynucleotides, the primer set comprising a combination of an oligonucleotide comprising a nucleotide sequence complementary to the complementary strand of the polynucleotide comprising a 5'-end nucleotide sequence and an oligonucleotide comprising a nucleotide sequence complementary to the polynucleotide comprising a 3'-end nucleotide sequence, wherein said oligonucleotides comprise at least 15 nucleotides and wherein said combination of 5'-end nucleotide sequence 3'-end nucleotide sequence is selected from the group consisting of:

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NO: 16216, SEQ ID NO: 16163 / SEQ ID NO: 16217, and SEQ ID NO: 16164 / SEQ ID NO: 16218

- 5 **4.** A polynucleotide which can be synthesized with the primer set of claim 2 or 3.
  - 5. A polynucleotide comprising a coding region in the polynucleotide of claim 4.
  - 6. A substantially pure protein encoded by polynucleotide of claim 4.
  - 7. A partial peptide of the protein of claim 6.

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- 8. An isolated polynucleotide selected from the group consisting of
- (a) a polynucleotide comprising a coding region of the nucleotide sequence set forth in any one of the following SEQ ID NOs:

2494

SEQ ID NO: 10468, SEQ ID NO: 10470, SEQ ID NO: 10471, SEQ ID NO: 10472, SEQ ID NO: 10473, SEQ ID NO: 10475, SEQ ID NO: 10477, SEQ ID NO: 10479, SEQ ID NO: 10481, SEQ ID NO: 10483, SEQ ID NO: 10485, SEQ ID NO: 10487, SEQ ID NO: 10488, SEQ ID NO: 10489, SEO ID NO: 10491, SEO ID NO: 10493, SEO ID NO: 10495, SEO ID NO: 10496, SEQ ID NO: 10497, SEQ ID NO: 10498, SEQ ID NO: 10500, SEQ ID NO: 10502, SEQ ID NO: 10503, SEQ ID NO: 10504, SEQ ID NO: 10505, SEQ ID NO: 10507, SEQ ID NO: 10508, SEQ ID NO: 10510, SEQ ID NO: 10511, SEQ ID NO: 10512, SEQ ID NO: 10514, SEQ ID NO: 10516, SEO ID NO: 10517, SEO ID NO: 10519, SEO ID NO: 10521, SEO ID NO: 10523, 10 SEQ ID NO: 10524, SEQ ID NO: 10526, SEQ ID NO: 10528, SEQ ID NO: 10529, SEQ ID NO: 10530, SEQ ID NO: 10532, SEQ ID NO: 10534, SEQ ID NO: 10535, SEQ ID NO: 10537, SEQ ID NO: 10539, SEQ ID NO: 10540, SEQ ID NO: 10542, SEQ ID NO: 10543, SEQ ID NO: 10545, SEQ ID NO: 10546, SEQ ID NO: 10548, SEQ ID NO: 10550, SEQ ID NO: 10551, 15 SEQ ID NO: 10553, SEQ ID NO: 10555, SEQ ID NO: 10556, SEQ ID NO: 10557, SEQ ID NO: 10558, SEQ ID NO: 10560, SEQ ID NO: 10562, SEQ ID NO: 10564, SEQ ID NO: 10566, SEQ ID NO: 10567, SEQ ID NO: 10569, SEQ ID NO: 10571, SEQ ID NO: 10573, SEQ ID NO: 10574, SEQ ID NO: 10576, SEQ ID NO: 10578, SEQ ID NO: 10580, SEQ ID NO: 10582, SEQ ID NO: 10584, SEQ ID NO: 10586, SEQ ID NO: 10588, SEQ ID NO: 10590, SEQ ID NO: 10592, SEQ ID NO: 10594, SEQ ID NO: 10596, SEQ ID NO: 10597, SEQ ID NO: 10599, SEQ ID NO: 10601, SEQ ID NO: 10603, SEQ ID NO: 10604, SEQ ID NO: 10606, SEQ ID NO: 10607, SEQ ID NO: 10609, SEQ ID NO: 10611, SEQ ID NO: 10613, SEQ ID NO: 10614, SEQ ID NO: 10615, SEQ ID NO: 10616, SEQ ID NO: 10618, SEQ ID NO: 10619, SEQ ID 25 NO: 10620, SEQ ID NO: 10622, SEQ ID NO: 10624, SEQ ID NO: 10625, SEQ ID NO: 10627, SEQ ID NO: 10629, SEO ID NO: 10630, SEO ID NO: 10632, SEO ID NO: 10633, SEO ID NO: 10635, SEO ID NO: 10637, SEQ ID NO: 10639, SEQ ID NO: 10641, SEQ ID NO: 10642, SEQ ID NO: 10644, SEQ ID NO: 10646, SEQ ID NO: 10647, SEQ ID NO: 10648, SEQ ID NO: 10649, SEQ ID NO: 10650, SEQ ID NO: 10652, SEQ ID NO: 10654, SEQ ID NO: 10655, SEQ ID NO: 10656, SEQ ID NO: 10658, SEQ ID NO: 10659, SEQ ID NO: 10661, SEQ ID NO: 10663, SEQ ID NO: 10665, SEQ ID NO: 10667, SEQ ID NO: 10669, SEQ ID NO: 10670, SEQ ID NO: 10671, SEQ ID NO: 10673, SEQ ID NO: 10674, SEQ ID NO: 10676, SEQ ID NO: 10678, SEQ ID NO: 10680, SEQ ID NO: 10682, SEQ ID NO: 10683, SEQ ID NO: 10685, SEQ ID NO: 10687, SEQ ID NO: 10689, SEQ ID NO: 10691, SEQ ID NO: 10693, SEQ ID NO: 10695, SEQ ID NO: 10696, SEQ ID NO: 10698, SEQ ID NO: 10700, SEQ ID NO: 10702, SEQ ID NO: 10704, SEQ ID NO: 10706, SEQ ID NO: 10708, SEQ ID NO: 10710, SEQ ID NO: 10711, SEQ ID NO: 10713, SEQ ID NO: 10715, SEQ ID NO: 10717, SEQ ID NO: 10718, SEQ ID NO: 10720, SEQ ID NO: 10722, SEQ ID NO: 10723, SEQ ID NO: 10725, SEQ ID NO: 10727, SEQ ID NO: 10728, SEQ ID NO: 10730, SEQ ID NO: 10732, SEQ ID NO: 10734, SEQ ID NO: 10736, SEQ ID NO: 10738, SEQ ID NO: 10740, SEQ ID NO: 10742, SEQ ID NO: 10744, SEQ ID NO: 10746, SEQ ID NO: 10748, SEQ ID NO: 10750, SEQ ID NO: 10752, SEQ ID NO: 10753, SEQ ID NO: 10754, SEQ ID NO: 10756, SEQ ID NO: 10757, SEQ ID NO: 10758, SEQ ID NO: 10760, SEQ ID NO: 10761, SEQ ID NO: 10763, SEQ ID NO: 10765, SEQ ID NO: 10767, SEQ ID NO: 10769, SEQ ID NO: 10771, SEQ ID NO: 10773, SEQ ID NO: 10774, SEQ ID

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NO: 10776, SEQ ID NO: 10778, SEQ ID NO: 10780, SEQ ID NO: 10781, SEQ ID NO: 10783,

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(b) a polynucleotide comprising a nucleotide sequence encoding a protein comprising the amino acid sequence set forth in any one of the following SEQ ID NOs:

SEQ ID NO:10469, SEQ ID NO:10474, SEQ ID NO:10476, SEQ ID NO:10478, SEQ ID NO:10480, SEQ ID NO:10482, SEQ ID NO:10484, SEQ ID NO:10486, SEQ ID NO:10490, SEQ ID NO:10492, SEQ ID NO:10494, SEQ ID NO:10499, SEQ ID NO:10501, SEQ ID NO:10506, SEQ ID NO:10509, SEQ ID NO:10513, SEQ ID NO:10515, SEQ ID NO:10518, SEQ ID NO:10520, SEQ ID NO:10522, SEQ ID NO:10525, SEQ ID NO:10527, SEQ ID NO:10531, SEQ ID NO:10533, SEQ ID NO:10536, SEQ ID NO:10538, SEQ ID NO:10541, SEQ ID NO:10544, SEQ ID NO:10547, SEQ ID NO:10549, SEQ ID NO:10552. SEQ ID NO:10554, SEQ ID NO:10559, SEQ ID NO:10561, SEQ ID NO:10563, SEQ ID NO:10565, 10 SEQ ID NO:10568, SEQ ID NO:10570, SEQ ID NO:10572, SEQ ID NO:10575, SEQ ID NO:10577, SEQ ID NO:10579, SEQ ID NO:10581, SEQ ID NO:10583, SEQ ID NO:10585, SEQ ID NO:10587, SEQ ID NO:10589, SEQ ID NO:10591, SEQ ID NO:10593, SEQ ID NO:10595, SEQ ID NO:10598, SEQ ID NO:10600, SEQ ID NO:10602, SEQ ID NO:10605, 15 SEQ ID NO:10608, SEQ ID NO:10610, SEQ ID NO:10612, SEQ ID NO:10617, SEQ ID NO:10621, SEO ID NO:10623, SEO ID NO:10626, SEO ID NO:10628, SEQ ID NO:10631, SEQ ID NO:10634, SEQ ID NO:10636, SEQ ID NO:10638, SEQ ID NO:10640, SEQ ID NO:10643, SEQ ID NO:10645, SEQ ID NO:10651, SEQ ID NO:10653, SEQ ID NO:10657, 20 SEQ ID NO:10660, SEQ ID NO:10662, SEQ ID NO:10664, SEQ ID NO:10666, SEQ ID NO:10668, SEQ ID NO:10672, SEQ ID NO:10675, SEQ ID NO:10677, SEQ ID NO:10679, SEQ ID NO:10681, SEQ ID NO:10684, SEQ ID NO:10686, SEQ ID NO:10688, SEQ ID NO:10690, SEQ ID NO:10692, SEQ ID NO:10694, SEQ ID NO:10697, SEQ ID NO:10699, SEQ ID NO:10701, SEQ ID NO:10703, SEQ ID NO:10705, SEQ ID NO:10707, SEQ ID 25 NO:10709, SEQ ID NO:10712, SEQ ID NO:10714, SEQ ID NO:10716, SEQ ID NO:10719, SEQ ID NO:10721, SEQ ID NO:10724, SEQ ID NO:10726, SEQ ID NO:10729, SEQ ID NO:10731, SEQ ID NO:10733, SEQ ID NO:10735, SEO ID NO:10737, SEQ ID NO:10739, SEQ ID NO:10741, 30 SEQ ID NO:10743, SEQ ID NO:10745, SEQ ID NO:10747, SEQ ID NO:10749, SEQ ID NO:10751, SEQ ID NO:10755, SEQ ID NO:10759, SEQ ID NO:10762, SEQ ID NO:10764, SEQ ID NO:10766, SEO ID NO:10768, SEO ID NO:10770, SEQ ID NO:10772, SEQ ID NO:10775, SEO ID NO:10777, SEO ID NO:10779, SEQ ID NO:10782, SEQ ID NO:10784, 35 SEQ ID NO:10787, SEQ ID NO:10789, SEQ ID NO:10791, SEQ ID NO:10794, SEQ ID NO:10796, SEQ ID NO:10798, SEQ ID NO:10801, SEQ ID NO:10803, SEQ ID NO:10806, SEQ ID NO:10809, SEQ ID NO:10811, SEQ ID NO:10813, SEQ ID NO:10816, SEQ ID NO:10819, SEO ID NO:10821, SEO ID NO:10823, SEQ ID NO:10825, SEQ ID NO:10827, SEQ ID NO:10829, SEQ ID NO:10833, SEQ ID NO:10835, SEQ ID NO:10837, SEQ ID NO:10839, SEQ ID NO:10843, SEO ID NO:10846, SEQ ID NO:10848, SEQ ID NO:10851,

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NO:18662, SEQ ID NO:18665, SEQ ID NO:18668, SEQ ID NO:18672, SEQ ID NO:18674, SEQ ID NO:18676, SEQ ID NO:18678, SEQ ID NO:18680, SEQ ID NO:18682, SEQ ID NO:18686, SEQ ID NO:18688, SEQ ID NO:18691, SEQ ID NO:18693, SEQ ID NO:18695, SEQ ID NO:18697, SEQ ID NO:18699, SEQ ID NO:18701, SEQ ID NO:18703, SEQ ID NO:18705, SEO ID NO:18709, SEO ID NO:18711, SEO ID NO:18713, SEO ID NO:18715. SEQ ID NO:18717, SEQ ID NO:18720, SEQ ID NO:18722, SEQ ID NO:18724, SEQ ID NO:18726, SEQ ID NO:18729, SEQ ID NO:18731, SEQ ID NO:18733, SEQ ID NO:18735, 10 SEQ ID NO:18737, SEQ ID NO:18739, SEQ ID NO:18741, SEQ ID NO:18743, SEQ ID NO:18745, SEQ ID NO:18747, SEQ ID NO:18749, SEQ ID NO:18751, SEQ ID NO:18753, SEQ ID NO:18759, SEQ ID NO:18763, SEQ ID NO:18765, SEQ ID NO:18770, SEQ ID NO:18773, SEQ ID NO:18775, SEQ ID NO:18777, SEQ ID NO:18779, SEQ ID NO:18781, SEQ ID NO:18783, SEQ ID NO:18785, SEQ ID NO:18787, SEQ ID NO:18790, SEQ ID 15 NO:18793, SEQ ID NO:18795, SEQ ID NO:18797, SEQ ID NO:18800, SEQ ID NO:18802, SEQ ID NO:18804, SEQ ID NO:18806, SEQ ID NO:18809, SEQ ID NO:18811, SEQ ID NO:18813, SEQ ID NO:18815, SEQ ID NO:18817, SEQ ID NO:18819, SEQ ID NO:18822, SEQ ID NO:18824, SEQ ID NO:18826, SEQ ID NO:18828, SEQ ID NO:18830, SEQ ID 20 NO:18832, SEQ ID NO:18834, SEQ ID NO:18836, SEQ ID NO:18840, SEQ ID NO:18843, SEQ ID NO:18847, SEQ ID NO:18850, SEQ ID NO:18853, SEQ ID NO:18855, SEQ ID NO:18857, SEQ ID NO:18859, SEQ ID NO:18862, SEQ ID NO:18865, SEQ ID NO:18868, SEO ID NO:18870. 25 SEQ ID NO:18874, SEQ ID NO:18876, SEO ID NO:18879, SEO ID NO:18882, SEO ID NO:18884, SEQ ID NO:18888, SEQ ID NO:18891, SEQ ID NO:18894, SEQ ID NO:18896, SEQ ID NO:18898, SEQ ID NO:18900, SEQ ID NO:18902, SEQ ID NO:18906, SEQ ID NO:18908, SEQ ID NO:18910, SEQ ID NO:18912, SEQ ID NO:18914, SEQ ID NO:18916, 30 SEQ ID NO:18918, SEQ ID NO:18920, SEO ID NO:18922, SEO ID NO:18924, SEO ID NO:18926, SEQ ID NO:18929, SEQ ID NO:18931, SEQ ID NO:18933, SEQ ID NO:18935, SEQ ID NO:18937, SEQ ID NO:18939, SEQ ID NO:18942, SEQ ID NO:18945, SEQ ID NO:18948, SEQ ID NO:18950, SEQ ID NO:18952, SEQ ID NO:18954, SEQ ID NO:18961, SEQ ID NO:18963, SEQ ID NO:18965, SEQ ID NO:18967, SEQ ID NO:18971, SEQ ID 35 NO:18974, SEQ.ID NO:18977, SEQ ID NO:18979, SEQ ID NO:18991, SEQ ID NO:18994, SEQ ID NO:18996, SEQ ID NO:19003, SEQ ID NO:19005

(c) a polynucleotide comprising a nucleotide sequence encoding a protein comprising an amino acid sequence selected from the amino acid sequences of (b), in which one or more amino acids are substituted, deleted, inserted, and/or added, wherein said protein is functionally equivalent to the protein comprising said amino acid sequence selected from the amino acid sequences of (b);
(d) a polynucleotide that hybridizes with a polynucleotide comprising a nucleotide sequence selected from the nucleotide sequences of (a), and that comprises a nucleotide sequence encoding a protein functionally equiv-

SEQ ID NO:19008, SEQ ID NO:19010, SEQ ID NO:19015, SEQ ID NO:19017, SEQ ID

alent to the protein encoded by the nucleotide sequence selected from the nucleotide sequences of (a); (e) a polynucleotide comprising a nucleotide sequence encoding a partial amino acid sequence of a protein encoded by the polynucleotide of (a) to (d);

- (f) a polynucleotide comprising a nucleotide sequence with at least 70% identity to the nucleotide sequence of (a).
- <sup>55</sup> 9. A substantially pure protein encoded by the polynucleotide of claim 8.

NO:19019, SEQ ID NO:19021, and SEQ ID NO:19023

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10. An antibody against the protein or peptide of any one of claims 6, 7, and 9.

- 11. A vector comprising the polynucleotide of claim 5 or 8.
- 12. A transformant carrying the polynucleotide of claim 5 or 8, or the vector of claim 11.
- 5 13. A transformant expressively carrying the polynucleotide of claim 5 or 8, or the vector of claim 11.
  - 14. A method for producing the protein or peptide of any one of claims 6, 7, and 9, comprising culturing the transformant of claim 13 and recovering the expression product.
- 15. An oligonucleotide comprising the nucleotide sequence of claim 8 (a) or the nucleotide sequence complementary to the complementary strand thereof, wherein said oligonucleotide comprises 15 nucleotides or more.
  - 16. Use of the oligonucleotide of claim 15 as a primer for synthesizing a polynucleotide.
- 15 17. Use of the oligonucleotide of claim 15 as a probe for detecting a gene.
  - 18. An antisense polynucleotide against the polynucleotide of claim 8, or the portion thereof.
  - 19. A method for synthesizing a polynucleotide, the method comprising:
    - a) synthesizing a complementary strand using a cDNA library as a template, and using the primer set of claim 2 or 3, or the primer of claim 16; and
    - b) recovering the synthesized product.
- 25 **20.** The method of claim 19, wherein the cDNA library is obtainable by oligo-capping method.
  - 21. The method of claim 19, wherein the complementary strand is obtainable by PCR.
  - 22. A method for detecting the polynucleotide of claim 8, the method comprising:
    - a) incubating a target polynucleotide with the oligonucleotide of claim 15 under the conditions where hybridization occurs, and
    - b) detecting the hybridization of the target polynucleotide with the oligonucleotide of claim 15.
- 23. A database of polynucleotides and/or proteins, the database comprising information on at least one sequence selected from the nucleotide sequences of claim 8 (a) and/or the amino acid sequences of claim 8 (b), or a medium on which the database is stored.

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Figure 1

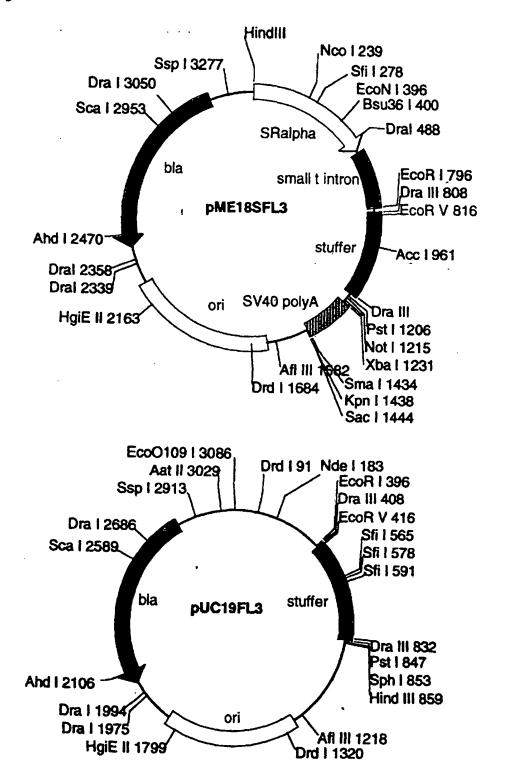


Figure 2

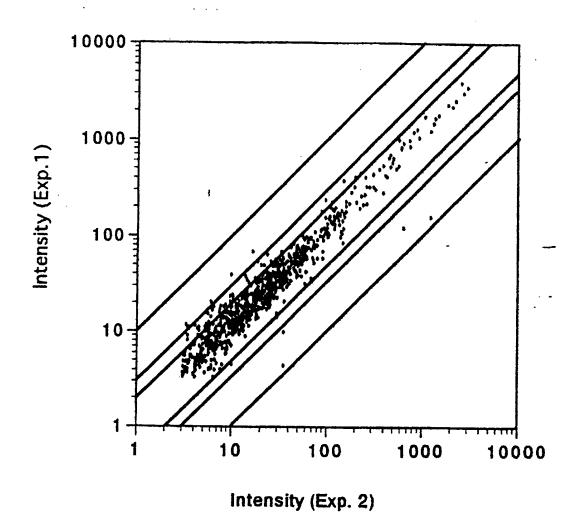
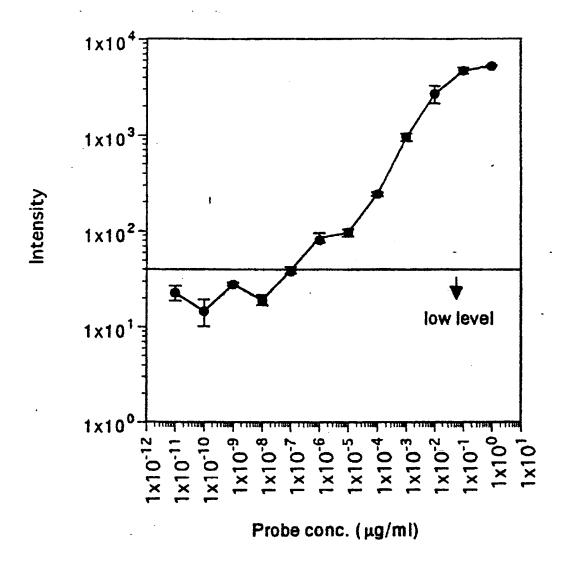


Figure 3



## (12)

## **EUROPEAN PATENT APPLICATION**

- (88) Date of publication A3: 21.04.2004 Bulletin 2004/17
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- (21) Application number: 00116126.4
- (22) Date of filing: 28.07.2000

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## (54) Primers for synthesising full-length cDNA and their use

(57) Primers for synthesizing full-length cDNAs and their use are provided.

5602 cDNA encoding a human protein has been isolated and nucleotide sequences of 5'-, and 3' -ends of the cDNA have been determined. Furthermore, primers for synthesizing the full-length cDNA have been pro-

vided to clarify the function of the protein encoded by the cDNA. The full-length cDNA of the present invention containing the translation start site provides information useful for analyzing the functions of the protein.



## PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 00 11 6126 shall be considered, for the purposes of subsequent proceedings, as the European search report

|  | Citation of document with in  | ERED TO BE RELEVANT dication, where appropriate,   | Relevant                                     | CLASSIFICATION OF THE  |
|--|---|--|--|--|
| Category   | of relevant passa   |  | to claim                                     | APPLICATION (Int.Cl.7)                                       |
| X  | BRIGHTMAN S E ET AL mouse cDNA encoding member of the DnaJ GENE, ELSEVIER BIOM AMSTERDAM, NL, vol. 153, no. 2, 14 February 1995 (1249-254, XP00404253 ISSN: 0378-1119 * abstract; figures | MTJ1, a new murine family of proteins" EDICAL PRESS. 995-02-14), pages   | 1-22   | C12N15/12<br>C12N15/11<br>C07K14/47<br>C07K16/18<br>C12Q1/68 |
| X  |   | 998-11-23),<br>4.x1 Soares_NhHMPu_S1<br>Tone IMAGE:1877743 3<br>MOUSE Q61712 DNAJ<br>L. ;, mRNA"<br>Dn no. EBI<br>No. AI276458 | 1-22   | TECHNICAL FIELDS   |
|  |   | -/   |  | SEARCHED (Int.Cl.7)  |
|  |   |  |  | C07K<br>C12N   |
| INCO   | MPLETE SEARCH   |  |  |  |
| not comply<br>be carried<br>Claims sea<br>Claims sea | th Division considers that the present a<br>y with the EPC to such an extent that a<br>out, or can only be carried out partially<br>arched completely :<br>arched incompletely :          | oplication, or one or more of its claims, do meaningful search into the state of the ar for these claims.                      | oes/do<br>1 cannot                           |  |
| Reason fo  | r the limitation of the search:   | •  |  |  |
| see  | sheet C   |  |  |  |
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|  | Place of search   | Date of completion of the search   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \        | Examiner D   |
|  | The Hague   | 18 February 200  |  | rdjian, D  |
|  | TEGORY OF CITED DOCUMENTS   | E : earlier patent   | tiple underlying the document, but publicate |  |
| X : parti<br>Y : parti<br>docu<br>A : techi          | cularly relevant if taken alone<br>cularly relevant if combined with anothe<br>ment of the same category<br>nological background<br>written disclosure                                    | L : document cite  | d in the application<br>d for other reasons  |  |



## INCOMPLETE SEARCH SHEET C

Application Number EP 00 11 6126

| Claim(s) not searched:   |
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| Reason for the limitation of the search (non-patentable invention(s)): |
| Article 52 (2)(d) EPC - Presentation of information                    |
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## PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 00 11 6126

|          | DOCUMENTS CONSIDERED TO BE RELEVANT   |                      | CLASSIFICATION OF THE APPLICATION (Int.CI.7) |
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| X        | DATABASE EMBL [Online] 31 December 1998 (1998-12-31), STRAUSBERG: "tb98c06.x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMAGE:2062378 3' similar to SW:MTJI_MOUSE Q61712 DNAJ PROTEIN HOMOLOG MTJ1. ;, mRNA sequence." XP002270646 accession no. EBI Database accession no. AI337322 * the whole document * | 1-22                 |  |
| D,A      | CARNINCI P ET AL: "High-efficiency full-length cDNA cloning by biotinylated CAP trapper" GENOMICS, ACADEMIC PRESS, SAN DIEGO, US, vol. 37, no. 3, 1 November 1996 (1996-11-01), pages 327-336, XP002081729 ISSN: 0888-7543 * abstract *   | 1-22                 | TECHNICAL FIELDS /<br>SEARCHED (Int.Cl.7)    |
| A        | KATO S ET AL: "Construction of a human<br>full-length cDNA bank"<br>GENE, ELSEVIER BIOMEDICAL PRESS.<br>AMSTERDAM, NL,<br>vol. 150, 1994, pages 243-250, XP002081364<br>ISSN: 0378-1119<br>* abstract *   | 1-22                 |  |
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# PARTIAL EUROPEAN SEARCH REPORT

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| E        | WO 00/58513 A (HUMAN GENOME SCIENCES INC ;ROSEN CRAIG A (US); RUBEN STEVEN M (US)) 5 October 2000 (2000-10-05) * claims 1-23; figure SEQ.14 *  | 1-22                 |  |
| P,X      | DATABASE EMBL [Online] 22 February 2000 (2000-02-22), ISOGAI T.: "Homo sapiens cDNA FLJ10199 fis, clone HEMBA1004850." XP002270649 accession no. EBI Database accession no. AK001061 * the whole document *                    | 1-22                 | TECHNICAL FIELDS<br>SEARCHED (Int.Cl.7)      |
| T        | DATABASE SWALL [Online] 28 February 2003 (2003-02-28), ISOGAI,T. ET AL.: "DnaJ homolog subfamily C member 1." XP002260362 accession no. EBI Database accession no. Q96KC8 * the whole document *                               | 1-22                 |  |
|          | WO 02/31111 A (HYSEQ INC ;WEHRMAN TOM (US); YANG YONGHONG (US); ZHANG JIE (US); Z) 18 April 2002 (2002-04-18) * page 115; claim 20; figure SEQ.461; table 2 *  | 1-22                 |  |
|          |  |                      |  |
|          |  |                      |  |

EPO FORM 1503 03.82 (PO4C10)



Application Number

EP 00 11 6126

| CLAIMS INCURRING FEES  |
|--|
| The present European patent application comprised at the time of filing more than ten claims.  |
| Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):   |
| No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.   |
| LACK OF UNITY OF INVENTION   |
| The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:  |
| see sheet B  |
| All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.   |
| As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.  |
| Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:  1-22 |
| None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:                              |
|  |



# LACK OF UNITY OF INVENTION SHEET B

**Application Number** 

EP 00 11 6126

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-23 partly

### Invention 1:

A primer set for synthesizing polynucleotides, the primer set comprising oligonucleotide complementary to the complementary strand of the polynucleotide comprising the nucleotide sequences set forth in of SEQ ID NO:1,5548 where seq.1 is corresponding to the 5'end of polynucleotide of clone HEMBA1000005 having seq.id.10468 ,corresponding coding region in the polynucleotide with corresponding protein with amino acid sequence with seq.id.10469 , and method for synthesizing a polynucleotide.

2. claims: 1-23 partly

#### Inventions 2-5602:

A primer set for synthesizing polynucleotides, the primer set comprising oligonucleotide complementary to the complementary strand of the polynucleotide probably corresponding to the 5'end and 3' end of polynucleotide of the 5601 clones as disclosed on tables 1 and 2 of the present application , or as disclosed on pages 127 line 33-page 130 line 47 combined with example 11 of the present application , the polynucleotide of this clone, coresponding coding region in the polynucleotide with corresponding protein , and method for synthesizing a polynucleotide.

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 11 6126

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-02-2004

| Patent document<br>cited in search report |   | Publication date |                                  | Patent family<br>member(s)  | Publication date   |
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